

**For Retailer, Wholesaler and Manufacturer**

JULY 28 1956

## Distinctive bottles— FROM STOCK MOULDS

These bottles have all been produced from stock moulds, and individuality is obtained by ringing the changes with colours and contrasting colour printing to give your product that tailor-made packaging look. If your product needs to be sprayed, puffed, poured through a small aperture, dispensed drop by drop or just packaged attractively, then Poly-Tainer have the answer to your problems. We make these unbreakable polythene containers in all shapes and sizes from 4 cc. to 15-gallons, and the choice of colour is yours. Distinctive coloured Poly-Tainers from stock moulds means that your product can have an individually styled package **without any tool costs.** *Of course, we undertake custom styling on request.*

# Poly-Tainer

## UNBREAKABLE POLYTHENE CONTAINERS

**Enquiries to:**

**INDUSTRIAL APPLIANCES LTD**  
21/22D Grosvenor Street, London, W.1  
Tel.: GROsvenor 5976/8 (P.B.X.)

Manufactured by **E. SHIPTON & CO. LTD.**  
**Ferndown Works, Northwood Hills**  
**Middx. Tel.: PINNER 1103/5 (P.B.X.)**





FOR 50 YEARS..

awarded the  
Certificate  
of Merit  
of the  
Royal  
Institute  
of  
Public Health  
and Hygiene

## Why **WRIGHT'S** COAL TAR SOAP SALES RISE AND RISE!

For 90 years Wright's Coal Tar Soap has been a 'household word' and top-seller. Consistently improved quality combined with persistent advertising has made Wright's the pre-eminent toilet soap of discerning people. For service to the public and for pharmacists' selling, there's never been a soap like WRIGHT'S.

**MORE PEOPLE ARE TRYING IT!  
MORE PEOPLE ARE BUYING IT!**



*It's Wright's  
Record Year!*



**SELF SELLERS!**

This compact Display Carton, holding 12 hand-size tablets, takes up little room on your counter but does a self-selling job for Wright's—and YOU!



Toilet and  
Bath sizes available

WRIGHT LAYMAN & UMNEY LTD., SOUTHWARK, S.E.1.

# THE FULL RANGE

## CORTISYL

### Cortisone

TABLETS	5 mg.	Bottles of 20 Tablets
TABLETS	25 mg.	Bottles of 20, 40, 100 & 500 Tablets
INJECTION	25 mg. per ml.	10 ml. Vials
EYE DROPS	1%	3 ml. Bottles
EYE OINTMENT	1%	3 G. Tubes

## HYDROCORTISYL

### Hydrocortisone

SKIN LOTION	$\frac{1}{2}\%$ & 1%	20 ml. Bottles
SKIN OINTMENT	$\frac{1}{2}\%$ 1% & 2.5%	5 G. & 15 G. Tubes
INJECTION	25 mg. per ml.	1 ml. & 5 ml. Vials
INTRAVENOUS	100 mg.	20 ml. Ampoules
TABLETS	10 mg. & 20 mg.	Bottles of 25 & 100 Tablets
EYE DROPS	1%	3 ml. Bottles
EYE OINTMENT	2.5%	3 G. Tubes.

## DECORTISYL

### Prednisone

TABLETS	5 mg.	Bottles of 30, 100 & 500 Tablets
---------	-------	----------------------------------

## PRENOLONE

### Prednisolone

TABLETS	5 mg.	Bottles of 30, 100 & 500 Tablets
---------	-------	----------------------------------

*DeCortisyl and Prenolone are at present available to Hospitals only in the United Kingdom*

*Manufactured in England since 1952 from raw material of Commonwealth origin, by*

**ROUSSEL LABORATORIES LTD. LONDON, N.W.10**  
LADbroke 3608





# THE Advantages



# “Disprin”

*The advantages of Disprin as an analgesic are:—*

- 1 Disprin is soluble
- 2 Disprin is substantially neutral

Disprin is therefore quick-acting and far less likely than ordinary aspirin to upset the stomach.

Week after week these advantages are made known to millions of readers of the national daily and national Sunday papers,

*Woman, Woman's Own, Woman's Weekly, and Woman's Sunday Mirror.*

Week after week more people ask for “Disprin” for the relief of headache, colds, neuralgia, sciatica, rheumatism and kindred ailments.



## RETAIL PRICES (incl. P.T.)

50-tablet bottle 3/3

26-tablet bottle 1/11½

8-tablet foil 9d.

## TRADE PRICES (excl. P.T.)

50-tablet bottle 23/- doz.

26-tablet bottle 13/10 doz.

8-tablet foil 5/2 doz.

RECKITT & COLMAN LTD. HULL & LONDON (PHARMACEUTICAL DEPT., HULL)





Between  
the 'up' and  
the  
'about'

Serious illness is inevitably followed by a frustrating period of convalescence. Metatone,\* with its stimulating, appetite-promoting combination of vitamin B<sub>1</sub> with strychnine and mineral glycerophosphates is ideally suited for the rapid restoration of normal metabolic function. It is specially valuable after 'flu and similar debilitating illnesses, after surgical operations, in neurasthenia and during pregnancy and lactation.

FORMULA

*Each fluid ounce of Metatone contains:*

Vitamin B <sub>1</sub>	3 mg.
Calcium Glycerophosphate	4 gr.
Potassium Glycerophosphate	4 gr.
Sodium Glycerophosphate	2 gr.
Manganese Glycerophosphate	$\frac{1}{2}$ gr.
Strychnine Glycerophosphate	8/200 gr.



**METATONE**

\*Trade Mark

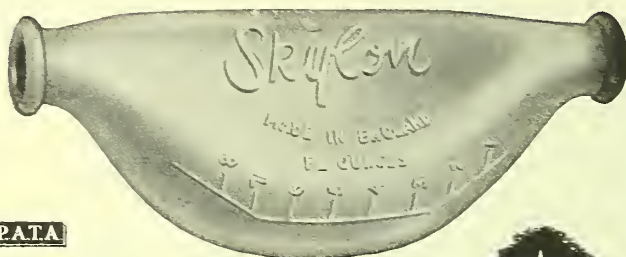


**Parke, Davis & Co. Ltd.,** (Inc. U.S.A.) HOUNSLOW, MIDDLESEX. Telephone: Hounslow 2361  
163

# Skylon

## THE ORIGINAL POLYTHENE BOAT SHAPED BABIES FEEDING BOTTLE

This new boat-shaped babies' polythene feeding bottle has been specially developed to meet popular request. It is unbreakable, hygienic, tasteless, odourless and unaffected by foodstuffs. Openings at either end make for easy cleaning and its light weight makes it ideal for the small infant. All standard teats and valves will fit the necks.



**PATA**

Packed in individual cartons with full sterilizing instructions.



ACORN 5073/4

# FIBRENYLE

LIMITED

137 DUKES ROAD · WESTERN AVENUE LONDON · W.3

JACW



Be prepared  
for  
Summer  
Sunshine!

Esoban De Luxe Cream of Calamine will once again be in great demand this summer for the ease and comfort it brings to sufferers from sunburn, skin irritation, chafing and eczema. Build up your stocks now.

## ESOBAN *De Luxe* CREAM OF CALAMINE

LARGE SIZE  
3/- (inc. tax)

HANDY PACK  
1/7 (inc. tax)

Special Seasonal terms  
33½% discount and bonus 13 to the doz.  
PLUS

5% on £5 and 10% on £10 direct orders in return for 14-day counter and window display.



\*SEND FOR ATTRACTIVE SHOW MATERIAL  
**SOUTHON LABORATORIES LTD**  
88, UPPER RICHMOND ROAD, LONDON, S.W.15

## YOUR CLIENTS WILL THANK YOU

for advising the use of



## HAIR LOTION

A preparation specially compounded by a Trichologist for falling hair. Relaxed follicles quickly return to normal, and hold the hairs for the full duration of their life. Ask your wholesaler for details or write now to—

**D.R. PRODUCTS**

79 HARBORNE ROAD, BIRMINGHAM, 15



# INDEX TO ADVERTISERS

Agfa, Ltd. ....	18	Cuxson, Gerrard & Co., Ltd. ....	30
Allen, Stafford, & Sons, Ltd. ....	24	Daniel, Richard, & Son, Ltd. ....	15
Applefords, Ltd. ....	54	"Disprin" ....	2
Armour Laboratories, The ....	55	D.R. Products ....	4
Ashwood Timber Industries, Ltd. ....	50		
Bayer Products, Ltd. ....	37	Edwards Harlene, Ltd. ....	28, 31
Beatson Clark & Co. ....	52	Evan Williams Co., Ltd. ....	39
"Belfast Telegraph" ....	48		
Bell, John, Hills & Lucas, Ltd. ....	48	Felling Zinc Oxide Co. ....	42
Berdoe & Fish ....	Classified Section	Fibrenyle, Ltd. ....	4
Biometica, Ltd. ....	49	Franco-British Glass Co. Ltd. ....	54
British Drug Houses, Ltd., The ....	5	Furman, B. N. (Products), Ltd. ....	46
British Felsol Company, Ltd. ....	Cover iv		
Brome & Schimmer, Ltd. ....	54	Geigy Pharmaceutical Co., Ltd. ....	34
Brook, Parker & Co., Ltd. ....	50	Glaxo Laboratories Ltd. ....	Interleaved Edit., 99
Buckley Bowker Tablet Co., Ltd. ....	52	Gledhill, G. H., & Sons, Ltd. ....	42
Burroughs Wellcome & Co. ....	36	Golden, Ltd. ....	53
Burson Elastic Stockings ....	32		
Bush, W. J., & Co., Lt. ....	39	Halex ....	10, 11
Carnegies of Welwyn, Ltd. ....	14	Hamburger, M., & Sons ....	52
Chappie, Ltd. ....	16, 17	Heinz, H. J., & Co., Ltd. ....	35
Christy, Thomas, & Co., Ltd. ....	6	Holborn Supplies, Ltd. ....	Classified Section
Coates & Cooper, Ltd. ....	54	Hooper, B., & Co., Ltd. ....	50
Compressed Paper Packing, Ltd. ....	42		
Cox, Arthur H., & Co., Ltd. ....	8		

(continued overleaf)

## NEW

IMPROVED FORMULA ●

NEW PACK ●

CONTEMPORARY DESIGN ●

Trade Price 15/- per dozen  
Display cartons of 6 tubes  
Retail 3/- per Tube (inc. P.T.)

Bonus on direct orders:—  
13 to the dozen plus  
5% discount on orders for 3 dozen  
or 7½% on 6 dozen.

An attractive display card  
is now available.



# Beach

## SUNTAN

SOLD THROUGH CHEMISTS ONLY



THE BRITISH DRUG HOUSES LTD. LONDON N.1

**INDEX (cont.)**

Ilford Ltd. ....	25	"Radio Times" .....	51
Imperial Chemical Industries, Ltd. ....	22	Rayner & Co., Ltd. ....	55
Industrial Appliances, Ltd. ....	Front Cover	Regna Cash Register Co. ....	12
Jobling, James A., Ltd. ....	55	Robinson & Sons, Ltd. ....	32, 44
Kay Brothers, Ltd. ....	26	Rosedale Products, Ltd. ....	56
Kelly, John (London), Ltd. ....	52	Ross Ensign, Ltd. ....	20
Kemsales, Ltd. ....	40	Roussel Laboratories, Ltd. ....	1, 7
Kirby, H. & T., & Co., Ltd. ....	21	Salesmaster Shopfittings .....	30
Lake & Cruickshank, Ltd. ....	23	Salter, George, & Co. Ltd. ....	45
Laporte Chemicals, Ltd. ....	26	Scott, A. & R., Ltd. ....	29
Lederle Laboratories Division .. 9, Interleaved Edit., 100		Scott & Turner, Ltd. ....	38
Matthews, Stephen, & Co., Ltd. ....	38	Scroll Pens, Ltd. ....	33
Merck Sharp & Dohme, Ltd. ....	13	Searle, G. D., & Co., Ltd. ....	Cover iii
Mining & Chemical Products, Ltd. ....	50	Smith & Hill (Chemists) Ltd. ....	38
National Glass Works (York), Ltd. ....	41	Societa Per Azioni Industrie Agricole Meridionali	
"Nervone" .....	40	Classified Section	
Orridge & Co. Ltd. ....	Classified Section	Southalls, Ltd. ....	47
Ortho Pharmaceutical, Ltd. ....	43	Southon Laboratories, Ltd. ....	4
Parke, Davis & Company, Ltd. ....	Leader Page, 3	Stewart, Goodhall & Dunlop Ltd. ....	40
Peboe, Ltd. ....	48	Suttley & Silverlock .....	26
Peptinol (G.B.), Ltd. ....	28	Thornton & Ross, Ltd. ....	46
Q-Tips, Ltd. ....	19	Universal Metal Products, Ltd. ....	27
		Vines Biocrin, Ltd. ....	46
		Wander, A., Ltd. ....	15
		Wright, Layman & Umney, Ltd. ....	Cover ii

**They always come back for more**

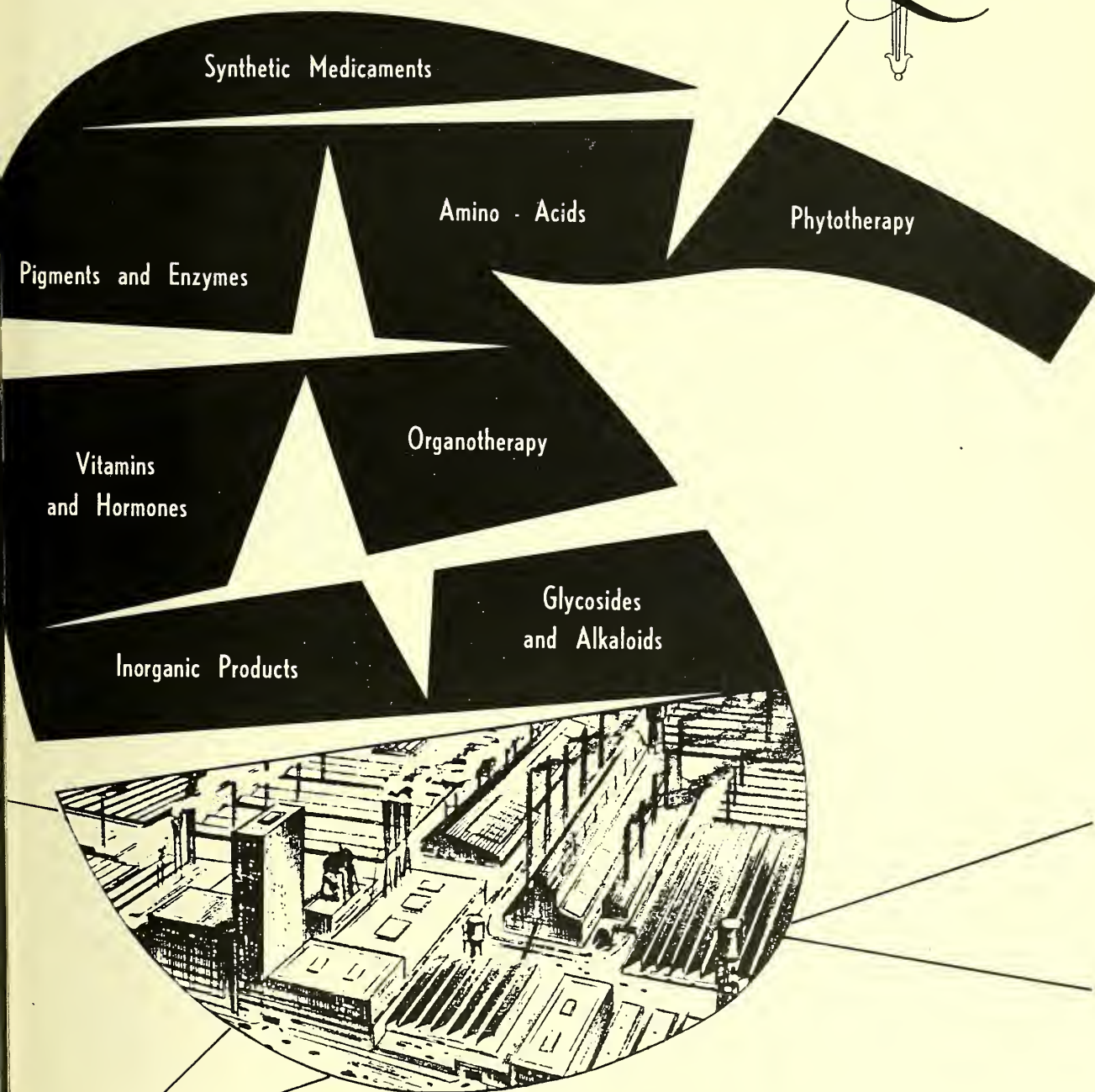
Advertising, and word of mouth recommendation, bring the customers in—but it's the results that bring them back.

Dr. Page-Barker's Scurf and Dandruff Lotion and D.43 Shampoo have the reputation that ensures repeated sales—a reputation for unfailing reliability in keeping the scalp clean and free from dandruff. Make sure that you have a share in the prestige and profits that come from stocking these ever-popular lines.

A Page Barker showcard will catch the customer's eye and remind him of his need. Available on request.

**THOS. CHRISTY & CO. LTD.,**  
**North Lane, Aldershot,**  
**Hants.**





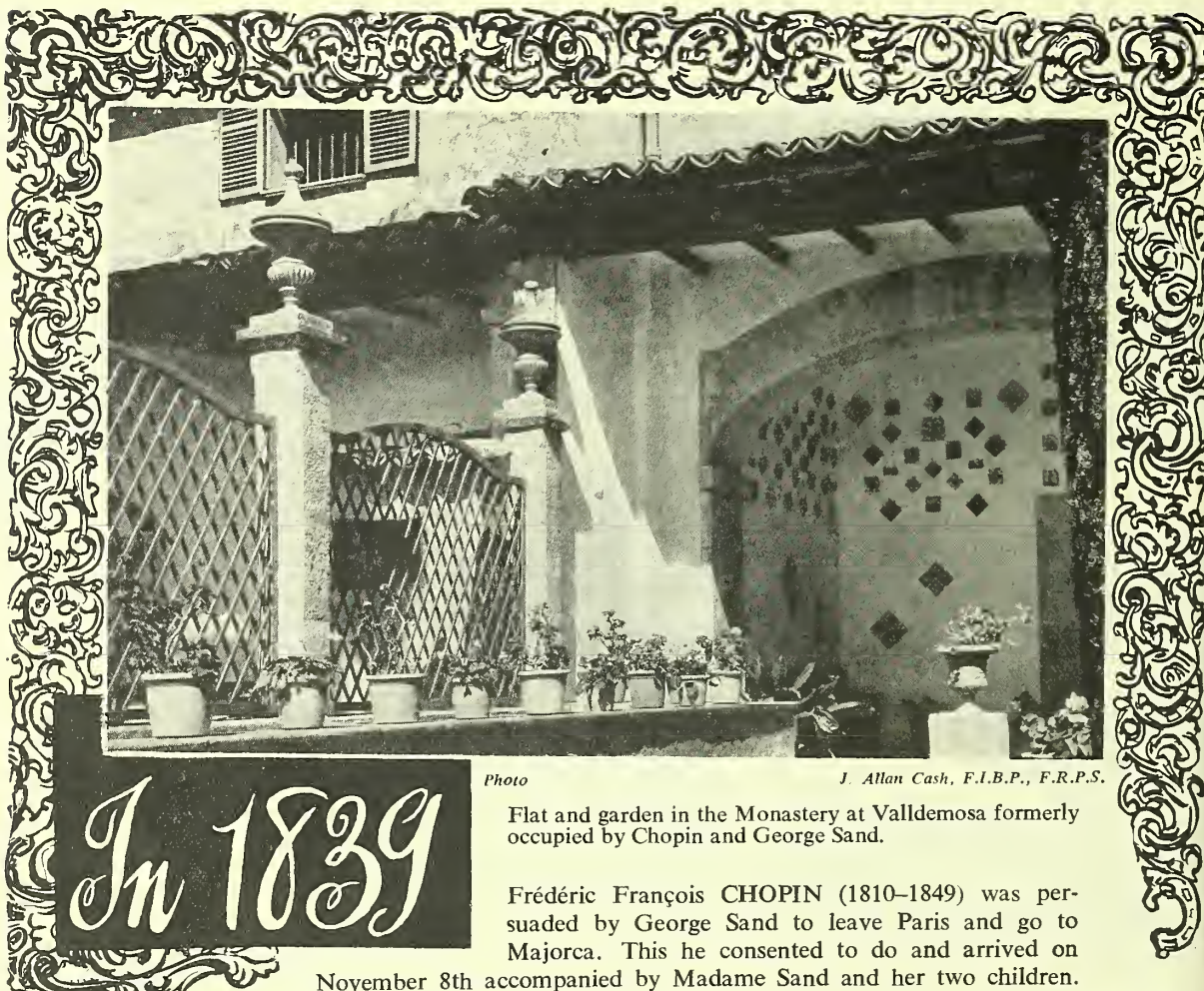
ROUSSEL LABORATORIES

847, Harrow road - LONDON N.W. 10

Telephone : LADBROKE 3608

UCLAF - 6, rue Monsieur - Paris (7<sup>e</sup>) - Tél. SEGur 71-33

## No. 4 of a New Series PRESENTED BY ARTHUR H. COX & CO. LTD



Photo

J. Allan Cash, F.I.B.P., F.R.P.S.

Flat and garden in the Monastery at Valldemosa formerly occupied by Chopin and George Sand.

Frédéric François CHOPIN (1810-1849) was persuaded by George Sand to leave Paris and go to Majorca. This he consented to do and arrived on

November 8th accompanied by Madame Sand and her two children.

The decision to visit Majorca had fatal consequences.

One day in his eagerness to benefit by the pure air the great composer strained himself and gave a fatal impetus to the consumption which had long overshadowed him. His illness aroused suspicion and fear among the local population, and the party were obliged to take refuge in the deserted monastery of Valldemosa, six miles from Palina. There the manuscript of the Preludes was completed and the Scherzo Op. 39 and Polonaise in C minor Op. 40 were begun.

Since their arrival George Sand and Chopin had suffered endlessly from bad weather and from primitive conditions in which they had to live. As soon as the rains ceased and Chopin was somewhat recovered they left Majorca.

In the same year a firm was founded which was destined to contribute much in the preparation of pharmaceuticals, some of which had they been administered in 1839 might have brought relief to Chopin and thus secured for posterity many more of his brilliant compositions.

Today Arthur H. Cox & Co. Ltd. is proud of the part it plays in supporting medical services throughout the world.

**ARTHUR H. COX & CO. LTD**  
**BRIGHTON - ENGLAND**

**One of the world's foremost tablet makers.**





# MILTOWN

ME PROBAMATE

## The most remarkable tranquillizer yet discovered

*Now made available in Great Britain by Lederle*

MILTOWN, 2 methyl-2-n-propyl-1, 3-propanediol dicarbamate, is a new, safe, powerful tranquillizer that has a selective action in anxiety and tension states. It possesses valuable sedative, hypnotic and muscle-relaxing properties and has the following important advantages:—

\* It is non-toxic and has negligible side effects

Relaxes the patient for natural sleep without narcosis

Is a muscle relaxant in spasm, pain and stiffness

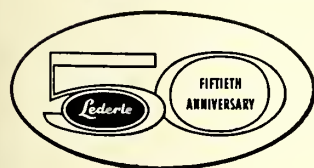
Has proved effective where other tranquillizers have failed

Is easily tolerated

*Fully active by mouth...relieves stress...stabilises the emotions*

In tablets of 400 mg. for oral use. Bottles of 50.

\* Trade-mark



LEDERLE LABORATORIES DIVISION

*Cyanamid PRODUCTS LTD. LONDON, W.C.2*

# These new, more striking dispensers have sent sales of **HALEX** combs soaring!

Halex combs are selling better than ever! That's the job these superb, new, eye-catching dispensers are doing for retailers up and down the country.

Try them yourself. You'll be amazed. Specially designed to catch the customer's eye, these Halex dispensers are doing the work of skilled salesmen, putting the sales points of these super-quality combs to every customer in the shop.

People often forget to buy a new comb. They won't—when they see the gay Halex dispenser set

up on your counter. And they can't miss it.

Besides, a Halex comb is what they need. Halex nylon combs are attractively designed, a pleasure to use and guaranteed for a whole year against breaking; there is also an inexpensive range of acetate combs, wonderful value at a lower price. Both ranges are hygienically bubble-packed.

Look through this list of dispensers. Decide which you want. And send in your order *at once!* Halex dispensers mean higher, more consistent sales daily!

**\*Special Summer Holiday Discount on  
HALEX Combs and Toothbrushes**  
*Ask your supplier for details*



No. C632

## 4 dozen Dispenser (nylon combs) contains:

- 2 dozen pocket combs C101
- 1 dozen gents' or bag combs C202
- 1 dozen 7" all-fine-tooth dressing combs C405
- Assorted pink, blue, green.



No. C631

## 3 dozen Dispenser (nylon combs) contains:

- 2 dozen pocket combs C101
- 1 dozen gents' or bag combs C202
- Assorted pink, green, blue, black.
- For all black, order dispenser No. C630.





No. C633

**6 dozen Dispenser (nylon combs) contains:**

- 2 dozen pocket combs C101
- 2 dozen gents' or bag combs C202
- 1 dozen ladies' dressing combs C404
- 1 dozen 7" all-fine-tooth dressing combs C405
- Assorted pink, blue, green, black.



No. C640

**3 dozen Dispenser (acetate combs) contains:**

- 2 dozen pocket combs C171
- 1 dozen gents' or bag combs C272
- Assorted black and tortoiseshell.
- For assorted amber, pink, blue, black, green, tortoiseshell, order dispenser No. C641.



No. C643

**6 dozen Dispenser (acetate combs) contains:**

- 2 dozen pocket combs C171
- 2 dozen gents' or bag combs C272
- 1 dozen ladies' dressing combs C474
- 1 dozen 7" all-fine-tooth dressing combs C475
- Assorted pink, blue, green, amber, black, tortoiseshell.



No. C642

**4 dozen Dispenser (acetate combs) contains:**

- 2 dozen pocket combs C171
- 1 dozen gents' or bag combs C272
- 1 dozen 7" all-fine-tooth dressing combs C475
- Assorted pink, blue, green, amber, black, tortoiseshell.





*See Your  
Takings  
Grow!*



Illustrated is  
the Two-  
total Model

*This is your  
hourly book-keeper,  
trading register and  
adding machine Sub totals  
at the push of a button.  
Lightning quick cash  
balance—*

#### Itemised receipts

You can establish customer goodwill by issuing an itemised and correctly totalled receipt to each customer. A duplicate copy remains as a locked in record of every transaction.

#### Sub totals

Your up-to-the-minute turn-over can be obtained at any time during the day by simply pressing a button.

#### Modern Design

The public likes to see efficiency and efficiency attracts the public. The smart clean line of the Regna Cash Register on your counter takes but half the valuable space occupied by old fashioned machines—compact and super efficient you can be proud of its appearance in your shop.

#### Increased Efficiency

Visible control detail rolls, clearly printed and easily read. Repeaters and multiples can be

recorded. So easy for any or all counter hands to operate.

#### A model to suit your need

Various models available to suit your individual requirements. Electrical operation on some models for super-speed.

**SEND NOW for further information of the particular model to suit your needs.**

REGNA CASH REGISTER CO., 27 John Adam St., London, W.C.2. Tel: TRA 3718  
Scottish Office:—27 Oswald Street, Glasgow, C.I. Phone: Central 3710



Accountant says:  
REGNA accuracy saves me  
hours of checking time.



Chemist says:  
My two-total REGNA  
analyses my takings in a flash.



Garageman says:  
REGNA registers my  
credit and cash trading.



Grocer says: Faster service  
and accurate charging  
with REGNA Itemiser.



Draper says:  
I use all REGNA models to  
advantage.

**REGNA CASH REGISTER COMPANY** 27 JOHN ADAM STREET, LONDON, W.C.2





## Help for the Obese

# MELOZETS

WAFERS

Awareness of their handicap often compels the obese to seek your help, and you can help them lose weight—the more comfortable way—by suggesting 'MELOZETS' methylcellulose wafers.

Taken between meals or half-an-hour before meals with an adequate volume of low-calorie fluid, these crisp pleasant-tasting wafers provide bulk, giving a satisfying sense of fullness without contributing appreciably to caloric intake.

Each wafer contains 1.5 G. of specially processed methylcellulose, and is equivalent to approximately 30 calories.

Supplied in packets of 24. Inclusive Retail Price: 7/2½d.

Pads of Diet Sheets, and display material, gladly sent at your request.

'MELOZETS' is a Registered Trade Mark.



### BONUS OFFER ENDS 31st JULY 1956

*12 packets for the price of 11, carriage paid*

*Larger quantities pro rata*

*Inclusive Retail Price: 7/2½d.*

MERCK SHARP & DOHME LIMITED, HODDESDON, HERTS

# CARNEGIES OF WELWYN

## Britain's Leading Manufacturers of QUININE & SALTS

### QUININE

Alkaloid, Bisulphate, Dihydrochloride, Formate,  
Hydrobromide, Hydrochloride, Salicylate, Sulphate.

*which can be supplied to conform with any Pharmacopœia*

CINCHONA FEBRIFUGE, IRON & QUININE CITRATE  
QUINIDINE & SALTS, TOTAQUINA

QUININE TABLETS, AMPOULES & CAPSULES

*We manufacture  
other salts, details of which  
will gladly be supplied  
on request*



*The above  
can be supplied in any  
type of pack  
required*

## CARNEGIES OF WELWYN LTD

Telegrams: 'CARNEGIES, WELWYN GARDEN CITY TELEX'

Telephone: WELWYN GARDEN 5001 (10 lines)

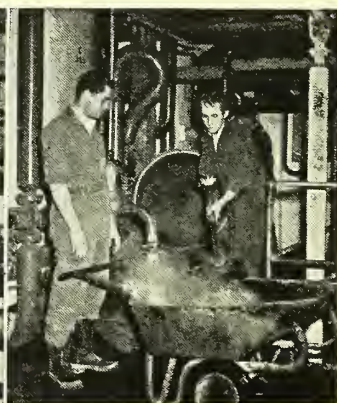
Telex: LONDON 8676



Feeding Cinchona Bark into disintegrator.



Isolating crude Quinine.



Discharging spent Cinchona Bark from a  
solvent extraction plant.





12 BOXES OF SUPPOSITORIES SENT

**POST FREE!**

to your address and charged through YOUR USUAL WHOLESALER

E.G. 6 Boxes of Suppos. Bism. Subgall. 6 Boxes of Suppos. Bism. Subgall. Co.

Manufactured and Packed in the Laboratories of:

**RICHARD DANIEL & SON LTD.**

MANSFIELD ROAD, DERBY Tel. 48266 (4 lines) and at GROSVENOR STREET, ASHTON-U-LYNE Tel. 2816 (3 lines).

## Revised Prices of Ovaltine

On and from July 28th, 1956, the prices of the medium and large sizes of 'Ovaltine' are increased. The prices of 'Ovaltine' will be as follows:—

		Retail Prices	Trade Prices
Small Size	...	1/6 each	14/5 per doz.
Medium Size	...	2/9 each	26/5 per doz.
Large Size	...	5/- each	48/- per doz.

On the **PATA**

'Ovaltine' is a scientifically prepared food based on the most modern scientific principles. It provides, in a concentrated and readily assimilable form, nutritive elements which help to reinforce strength and vitality, and to build up body, brain and nerves. The outstanding properties and special merits of delicious 'Ovaltine' are demonstrated by the fact that it is widely used by Hospitals and Nursing Homes throughout the world.

A. WANDER LTD., 42 Upper Grosvenor Street, Grosvenor Square, London, W.1.

Laboratories, Farms and Manufactory: King's Langley, Herts.

T.45

# **Now you will sell more Meet ever before!**

GREAT NEW  
PROMOTION IN AID OF  
THE GUIDE DOGS FOR THE  
BLIND ASSOCIATION



**brings you:**

- \* MORE CUSTOMERS**
- \* BIGGER SALES**
- \* GREATER GOODWILL**



## ***here's why...***



Chappie Ltd. are paying to the  
Guide Dogs for the Blind Association:



**ONE PENNY**  
for each double-economy  
size Meet label



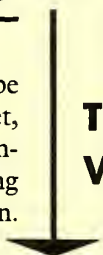
**ONE PENNY**  
for every two handy-size  
Meet labels



## ***here's how...***

Voluntary helpers all over Britain will be helping retailers, helping to promote Meet, helping to create bigger demand, helping to encourage new users—*because* they will be helping the Guide Dogs for the Blind Association.

**THE TARGET £10,000  
WORTH OF MEET LABELS**



THIS MUST MEAN BIGGER SALES FOR YOU

***So order your  
stocks of Meet  
now***

PREPARED IN MELTON MOWBRAY • LEICESTERSHIRE

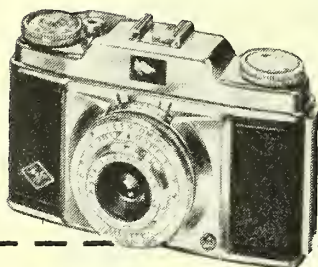
# WIN NEW CUSTOMERS THE EASY WAY

- with famous



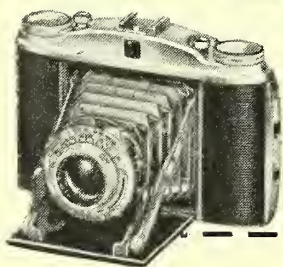
## CAMERAS

Camera-customers need no urging to choose an Agfa . . . their flawless finish and reputation for precise performance make these cameras first choice wherever they're on display. An Agfa camera *seen* soon becomes an Agfa camera *sold*!



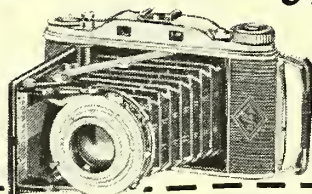
### Agfa SILETTE 35mm

Agfa Apotar f3.5/45mm coated, colour corrected lens. Positive action lever-wind. With Prontor SVS fully synchronised shutter £23. 12. 3.  
With Pronto synchronised shutter £19. 6. 5.  
Ever-ready leather case £3. 5. 3.



### Agfa ISOLETTE II

2½" x 2½". Agfa Apotar f4.5/85mm lens. Prontor SVS 8-speed shutter. £23. 10. 6.  
Other Isolette models available from £13 2. 7 to £23. 12. 3.  
Ever-ready leather case £2. 10. 11.



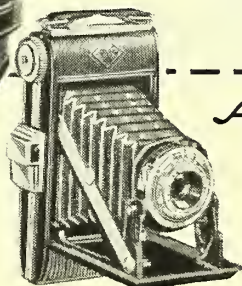
### Agfa RECORD III

2½" x 3½". Agfa Apotar f4.5/105mm lens. Built-in rangefinder. Prontor SV 8-speed shutter £23. 0. 10.  
Ever-ready leather case £3. 13. 8.



### Agfa CLACK

2½" x 3½" snapshot camera. Two apertures. Built-in portrait lens. Synchronised. Cable release socket. £3. 19. 11.  
Ever-ready case £1. 2. 11.



### Agfa BILLY I

2½" x 3½". Agfa Agnar f6.3/105mm lens. 3-speed Vario shutter. Synchronised £11. 5. 0.  
Ever-ready case £1. 9. 2.

**AGFA LIMITED**





# -At last 'Q-TIPS' -TIPS



REGD. TRADE MARK

## ARE IN FULL SUPPLY

## THROUGH ANY WHOLESALER

Now that 'Q-Tips', the only *sterilized*, Cotton Wool Stix, are to be manufactured in England, supplies are available through any wholesaler.

There is no longer any need to give a non-sterilized substitute to the woman who comes in and asks for "a packet of 'Q-Tips' ". None of your customers really likes accepting a substitute.

Now you can give her what 'Q-Tips' advertising has told her to ask for, the *sterilized* Cotton Wool Stix, *in the blue box*.

'Q-Tips' are the only firm who have spent real money in building up sales for this new and growing line in Great Britain.

Never forget that once a woman starts buying 'Q-Tips' for her baby she soon finds lots of other uses for them, applying lotions or ointments to her older children, using them herself for her own ears, nose and eyes.

There is no end to the uses she will find and every time she will tell her friends about them.

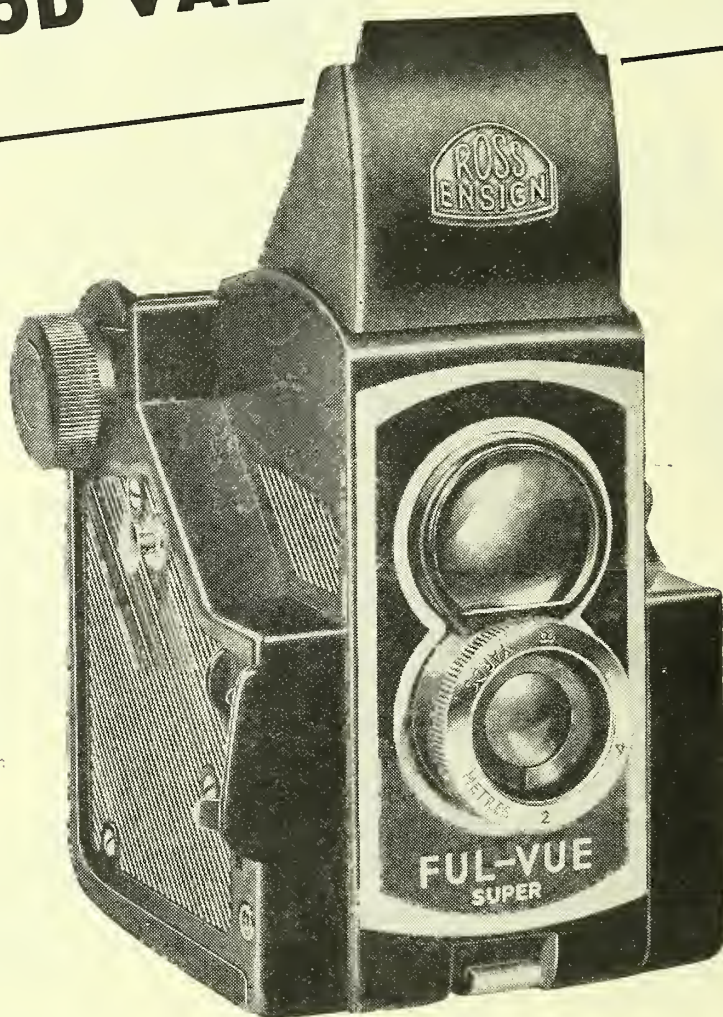


***So ask your wholesaler today for***

- the only sterilized Cotton Wool Stix
- the only Cotton Wool Stix nationally advertised to tell British women what a wonderful boon they are
- and so make new business for you
- ask him for 'Q-TIPS'!

In case of difficulty write to 'Q-TIPS' (GT. BRITAIN) LTD., ARGYLE HOUSE, EUSTON RD., LONDON, N.W.1

**GOOD VALUE and LOOKS IT!**



Every busy Chemist is interested in a Camera that will sell itself. The popular Ful-Vue demands no expert knowledge to sell, involves no large capital outlay and ensures the greatest possible turnover in every district.

Probably more Ful-Vues reach the public over the Chemist's counter than through any other retail outlet, proving that in price and popular appeal the Ful-Vue is absolutely right for the snapshot market. The Ful-Vue is a Camera that sells on its looks as well as its performance, it is good value and looks it.

*COLOURED FUL-VUES in RED and GREY are also available.*

**RETAIL PRICE 62/7**

**EVER-READY CASE 13/2**

**FLASH UNIT 25/-**



**ROSS ENSIGN LTD., CLAPHAM COMMON NORTH SIDE, S.W.4**



*The outstanding name*

**KIRBY**  
**OF LONDON**

*for...*

# TABLETS

*also*

PILLS · CAPSULES · PESSARIES · SUPPOSITORIES  
PENICILLIN PRODUCTS · OINTMENTS FOR THE EYE  
SOFT GLYCERINE LOZENGES · STERILE PRODUCTS  
PACKED PHARMACEUTICALS

Own materials processed  
Special Formulæ prepared  
Home and Export enquiries  
invited

Price list on application to:

**H. & T. KIRBY  
& CO., LTD.**

Manufacturing Chemists

**WILLESDEN GREEN, LONDON, N.W.2**

Phone : Willesden 1146 Telegrams : Kirbilim, Norphone, London  
Code : Bentleys (2nd)

Established 1866





She won't be disappointed in her 'Alkathene' bowl! She'll come back to you for more houseware made from 'Alkathene'. Arrange a display of 'Alkathene' goods and see how fast they sell!

## Whatever the make— they'll be asking for **'ALKATHENE'**

THE I.C.I. BRAND OF POLYTHENE

Houseware made from 'Alkathene' is all a housewife could ask for! No wonder so many of them do!

Now comes powerful national advertising in women's magazines to make housewives still more 'Alkathene'-conscious. All the advertisements feature the 'Alkathene' label which means that housewives will ask for 'Alkathene'. Once they have bought one 'Alkathene' article they will come back

for more.

Get your share of this fast-growing market! Make sure your stocks are adequate and plan your 'Alkathene' displays to tie in with the national campaign.

I.C.I. do not themselves manufacture houseware from 'Alkathene'. All enquiries for individual articles should be addressed to the manufacturers through the usual Trade channels.

### National Advertising Now Helps you to Sell More 'Alkathene'

Press advertisements in a long list of powerful media bring the story of 'Alkathene' into millions of homes throughout Great Britain. There will be film advertising as well.

**FREE CUSTOMER DISPLAY MATERIAL**, to link your shop with these advertisements, is available through your normal suppliers. In case of difficulty, write to Publicity Dept., Imperial Chemical Industries Ltd., Plastics Division, Welwyn Garden City, Herts.

### LOOK FOR THIS LABEL

Articles bearing this label are made from 'Alkathene', the sign of the highest quality.



# 'ALKATHENE'

'Alkathene' is the registered trade mark for the polythene made by I.C.I.

IMPERIAL CHEMICAL INDUSTRIES LIMITED • LONDON • S.W.1



AH.3/T



## *For Fine Chemicals & Drugs*

### ***Alkaloids and Salts***

EPHEDRINE	ERGOTAMINE
HYOSCIINE	PAPAVERINE
QUININE	RESERPINE
DIGITALIN	SANTONIN

### ***Hormones***

CORTISONE	DIHYDROCORTISONE
PROGESTERONE	TESTOSTERONE

### ***Fine Chemicals***

P.A.S. ACID & SODIUM	ISONIAZID
BARBITURATES	PIPERAZINE
CAFFEINE	THYROID B.P./U.S.P.
THEOBROMINE	SULPHANILAMIDES Etc.

### ***Vitamins***

A B <sub>1</sub> B <sub>12</sub> C D <sub>2</sub>	FOLIC ACID
NICOTINIC ACID	NICOTINAMIDE Etc.



# LAKE & CRUICKSHANK LTD

MANUFACTURING CHEMISTS

178 HIGH STREET • BERKHAMSTED • HERTS

Phone : Berkhamsted 1880/1

Cables : Lake Berkhamsted



*There's  
far more  
to it  
than  
this!*



*The tapping and splitting operation.*

*(Photograph by courtesy of Sudan Government Agency)*

## GROUND GUMS

**TRAGACANTH  
ACACIA  
KARAYA**

There are many steps between the collection of gums under necessarily rather crude native conditions, and the final Stafford-AllenS product, standardised under strict laboratory control.

Whatever your requirements in Tragacanth, Acacia, Karaya, ask our Gums Dept. to quote you for a uniform product carefully selected to meet your individual requirements.

**StaffordAllenS**

ORDER FROM



TAS AL.488.

**STAFFORD ALLEN & SONS LIMITED**

**WHARF ROAD, LONDON, N.I.**

**Telephone: CLErkenwell 1000 (7 lines)**





# ILFORD FILMS

*for faces  
and places*

Always make certain of getting the best Faces and Places by using Ilford films. For taking black-and-white photographs of really superb quality, these famous films are made in all popular sizes. For making glowing colour transparencies, use Ilford 35mm Colour Film—a 20-exposure cassette costs 21/6, including processing.

Always ask for an Ilford film—black-and-white or colour—and you'll get a good picture every time.

#### ILFORD COLOUR PRINTS

Once you have started taking Faces and Places on Ilford 35mm Colour Film, you'll want to see the best of your transparencies enlarged into postcard-size Ilford Colour Prints—they cost only 10/- for four through your photographic dealer.

**You'll get a  
good picture  
every time**

In black-and-white in all popular sizes.  
In 35mm. colour, too!



# *Holiday* **FACES and PLACES** *in the* **DAILY EXPRESS**

Eleven million people will see this striking half-page advertisement in the Daily Express on August 4th. Such powerful publicity will undoubtedly encourage more holiday photography and help you to increase your sales of ILFORD film.

ILFORD LIMITED

ILFORD

LONDON

SPECIALIST PRINTERS FOR CHEMISTS



# SPECIALIST PRINTERS FOR CHEMISTS

D.D.A. and POISON  
REGISTERS IN STOCK

In hardly more than the time it takes you to dispense a bottle of medicine we can get ready and post off to you the finest range of stock labels, cartons, wrappers, etc., you are likely ever to have seen—the result of more than a hundred years of specialisation in printing for Chemists. Write for them now.

## SUTTLEY & SILVERLOCK

ANDOVER

(BRANCH OF KELLY'S DIRECTORIES LTD.)

HANTS

London Office: 2 ARUNDEL STREET, STRAND, W.C.2. Telephone Temple Bar 3464 (9 lines)

SPECIALIST PRINTERS FOR CHEMISTS

Millions of men and  
women know that it's

# KAY'S

for coughs

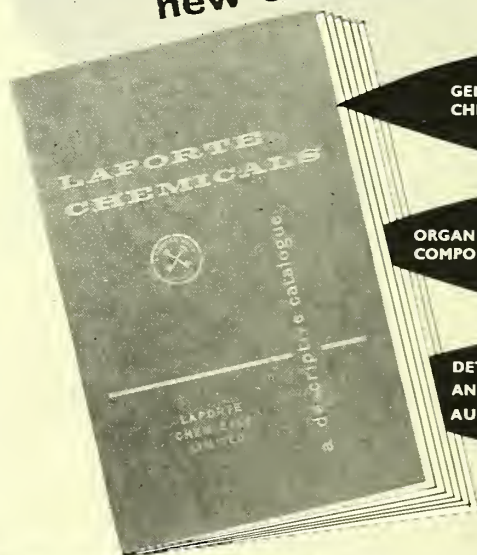
\* feature Kay's display material  
prominently on your counter

# KAY'S

## LINSEED COMPOUND

In syrup for the home — in pastilles for the pocket

may we send you our  
new catalogue?



GENERAL  
CHEMICALS

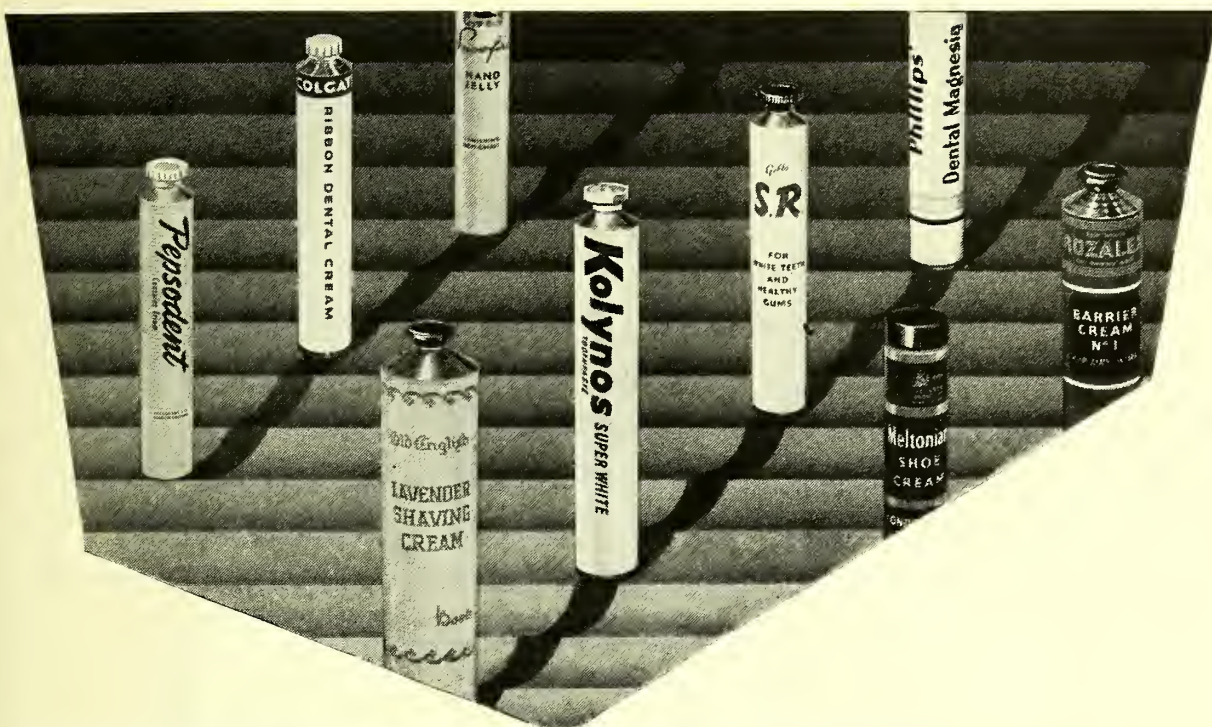
ORGANIC PEROXY  
COMPOUNDS

DETERGENTS  
AND  
AUXILIARIES

# LAPORTE

Please write for a copy to  
Laporte Chemicals Ltd.,  
Luton.





**DISCRIMINATING BUYERS PREFER**



*For Tubes  
and Plastics*

*The* **U·M·P**

**PACKAGING SERVICE**

Have you tried our "Weltex" seal for seepage proof packaging and our distinctive "Decora" shoulder finish for collapsible tubes.



**UNIVERSAL METAL PRODUCTS LTD.**

SALFORD 6 LANCs.

Telephone: PENDLETON 4444

LONDON OFFICE: ARGYLE HOUSE, 29/31. EUSTON ROAD. N.W.1. TEL. TERMINUS 2073





# DE-NOL

*For the treatment of stomach ulcers*

This unique product is now available on the British market, and can be obtained from the Distributors for the United Kingdom at the addresses given below. In view of the remarkable success in many parts of the world of the DE-NOL method in the treatment of ulcerative conditions of the stomach, it is anticipated that the product will enjoy an extensive sale in the United Kingdom.

*The Retail Price of the DE-NOL treatment is £14.2.3 (incl. tax).*

**YOU CAN SELL DE-NOL WITH CONFIDENCE**

*Terms and literature on request :*

**PEPTINOL (G.B.) LTD., 80 Elswick Road, Newcastle upon Tyne 4**

Telephone : Newcastle 34350

Tel. Add : "DE-NOL, NEWCASTLE UPON TYNE"

**UNITED KINGDOM AGENTS**

**London and Home Counties:**  
Peptinol (G.B.) Limited,  
9 Christopher Street, Finsbury  
Square, LONDON, E.C.2.

**N.E. England and Midlands:**  
Peptinol (G.B.) Limited,  
80 Elswick Road,  
NEWCASTLE UPON TYNE, 4:

**S.W. England and S. Wales:**  
S. J. Carter (Import, Export) Ltd.,  
2 Vicarage Road, Torquay,  
DEVON.

**Scotland:**  
A. H. G. Barrowman,  
24 Guildhall Street,  
DUNFERMLINE.

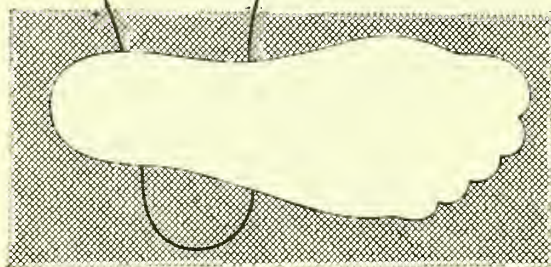
**N.W. England and N. Wales:**  
D. Machell (Wholesale) Ltd.,  
276 Claremont Road, Moss Side,  
MANCHESTER, 14.

**Northern Ireland:**  
Wm. C. Knox,  
35 May Street,  
BELFAST.



**for fungus infections of the smooth skin**

*Specifically indicated in the treatment of*  
**TINEA PEDIS and TINEA CRURIS**  
*SUBLAMIN is the ideal fungicidal lotion for*  
*the treatment of Tinea Pedis, Tinea Cruris,*  
*and other fungus infections of the smooth skin*



**ACTIVE INGREDIENTS:-**  
Acid. Benz. .... 4.829%  
Acid. Salicyl. .... 3.018%  
Benzalkonium Chloride .... .050%  
Cetyl Pyridinium Chloride .... .050%

*SUBLAMIN has the following advantages :*

The excipient evaporates quickly, leaving the therapeutic substances, in finely particulate form, in intimate contact with the affected areas. In consequence, the maximum destructive effect on the invading fungus is rapidly achieved. Being non-greasy SUBLAMIN obviates the need for dressings and will not promote the growth of secondary infective organisms. Its application is extremely simple.

*For full information please write to :*

**EDWARDS HARLENE LIMITED, 58 GOUGH STREET, LONDON, W.C.1**





**Use this display on an actual Scott's Twin-Pack to link with the extensive advertising to mothers**

Scott's Twin-Pack is already a firm favourite with mothers. With new, more forceful advertising in leading women's papers working for you, this eye-catching counter or shelf display is certain to help sales.

Ask our Representative, or write to us direct, for this handy size showcard designed to fit on top of the pack.

A. & R. SCOTT LTD. (Dietetic Division) 10 VICTORIA ROAD, LONDON, N.W.10 Telephone Elgar 3517

F

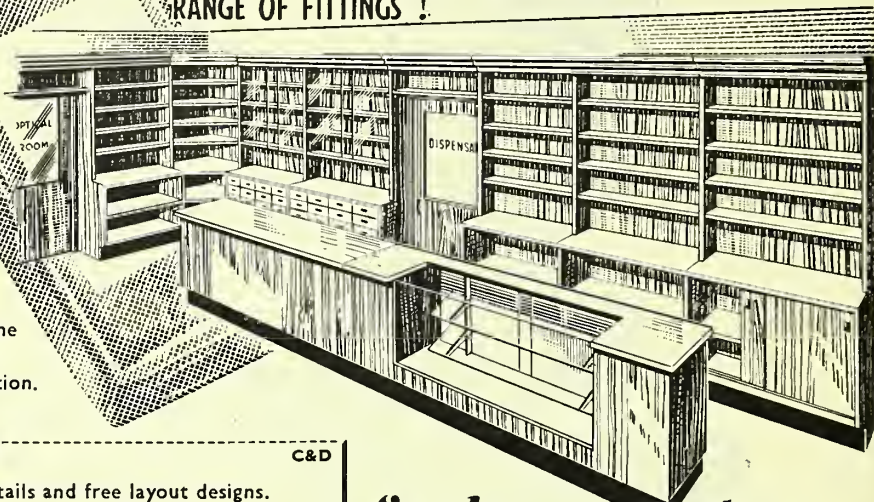


**R**  
**PRESCRIPTION**  
**FOR PROMOTING**  
**HEALTHY**  
**BUSINESS**

... We are fitting out hundreds of shops, in many cases for as little as 50/- per week. Here is your opportunity to bring those much sought after EXTRA customers inside your shop... these EXTRA sales alone will more than repay the cost of your superbly produced installation.

# 1956 RANGE CUTS COSTS!

LATEST PRODUCTION METHODS OF THE NEWEST STANDARD UNITS RESULT IN THE LOWEST PRICES **EVER** FOR THIS SUPERB RANGE OF FITTINGS!



## POST THIS COUPON

C&amp;D

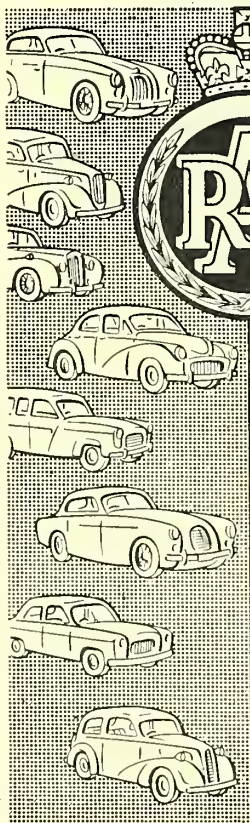
Please let me have further details and free layout designs.

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

**Salesmaster**  
**UNIT SHOPFITTINGS**

Bermuda Road · Moreton · Cheshire



# MOTORISTS FIRST AID OUTFIT

There is a golden opportunity for you with this R.A.C. sponsored Outfit. Their propaganda about this motorists kit will state "Obtainable from Chemists," and you will be well advised to make a feature display of them. In the familiar R.A.C. colours the tins are very attractive, and in addition to the sales of the Outfit itself, you would establish your pharmacy as suppliers of First Aid Outfits. There is a steadily increasing demand for First Aid Outfits, possibly greater than you realise, due to legislation and aroused public interest. As you are no doubt aware, we are the First Aid specialists and as pioneers we offer the widest choice of Outfits, with contents backed by 75 years' experience.

A PRODUCT OF

**Cuxson, Gerrard**  
 & Co. Ltd.  
 OLDBURY BIRMINGHAM

SIZE : 5½ in. x 3½ in. x 1½ in.

TRADE PRICE — 5/4 each

RETAIL PRICE — 7/- each

Carriage paid £5 and over





# After the tremendous success of Smoke

—the true-grey colour rinse for grey, greying or white hair

**Edwards Harlene Ltd. present**

**Smoke**  
**DEEP BRUNETTE**

For Dark to Medium Brown  
hair that is going grey but  
is still mainly its  
original colour.

**Smoke**  
**& VELVET BROWN**

for Light to Medium Brown  
hair that is going grey but  
is still mainly its  
original colour.

Retail price 5/6 per bottle

## There's Glamour in Grey!

SMOKE colour rinses are unique—easy and safe to use. They are *not* dyes and can be shampooed from the hair at any time. They are now the perfect answer to greying or grey hair.

**ORDER NOW** (from your usual wholesaler)

Be ready to meet the demand that will be created by National Magazine Advertising and also by weekly competition programmes on Radio Luxembourg commencing Tuesday, July 3rd at 9.45 p.m.



EDWARDS HARLENE LIMITED, 58 Gough Street, London, W.C.1.

Form E.C.10

Mr. Mrs. Miss } *Rawlinson*  
(name and initials of patient)

Age, if under fourteen years

Address *The Cedars*  
*Horley Crescent*

For use only by  
Pricing Office

Chemist's Stamp

*R Elastic Stockings*  
*2-way stretch*

**In a case like  
this.... dispense  
BURSON**

Burson Stockings, made exclusively on special knitting looms, are the product of ten years' intensive research into the making of surgical stockings.

Always dispense and recommend Burson 2-Way Stretch Hosiery and ensure your customers' complete satisfaction. The quality—finish—colour and durability of Burson Hose make them the first choice of those who appreciate the best. Burson Stockings are fully fashioned and virtually indiscernible in use.

Burson Stockings are advertised in the Medical Journals and in a strong list of National Weekly Newspapers and Women's Magazines.

**DISPENSE BURSON** whenever  
2-way stretch elastic or  
Lastex hosiery is prescribed

— \* —

AVAILABLE FREE ON REQUEST WITH BURSON STOCKINGS:—

- Instruction Chart with details for measuring, fitting and exact adjustment to fit and tension.
- Individual Measurement and Order Forms.
- Instructions for mending and washing.
- Illustrated leaflets for your customers.

**BURSON**

**TWO-WAY STRETCH HOSIERY  
IS MADE FROM LASTEX YARN**

Sole Distributors:— FASSETT & JOHNSON LTD.,  
86, CLERKENWELL ROAD, LONDON, E.C.1

Here's a  
profitable  
double

PADDI and PADDI pads. A wonderful improvement on the conventional 'nappy' that solves a big problem for the busy mother. Sell her PADDI and ensure repeat sales of PADDI-pads. They're better for babies, less trouble and labour-saving for mother. Supported by attractive advertising in women's journals, these profit-making lines can mean big business for YOU! Paddi retails at 6/6d. Paddi-pads in packets of ten 1/9d.

ORDER NOW—to meet the increased holiday demand.

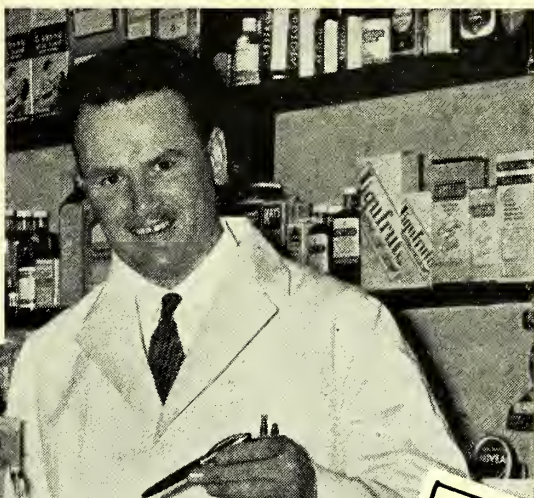
**PADDI**  
AND  
**PADDI**  
*pads*

ROBINSON & SONS LTD  
CHESTERFIELD &  
LONDON

Makers of Robinson's medicated baby preparations



**YOUR  
ENTIRE  
PEN STOCK  
IN LESS THAN  
1 SQ. FOOT OF  
COUNTER  
SPACE**



**READ WHAT  
THIS CHEMIST  
HAS TO SAY  
ABOUT HIS**



**'TURN-ME-ROUND'**

**"OUR PHARMACY HAS HAD A  
STATIONERY DEPARTMENT FOR  
OVER 100 YEARS. THE SCROLL  
TURN-ME-ROUND HAS BEEN A  
WONDERFUL AID IN MAINTAIN-  
ING THE TRADITIONAL  
GOODWILL."**

*says the manager  
of Bonds (Chemists),  
Ltd. shop at Castle  
Cary.*

**THE SCROLL "TURN-ME-ROUND"**

revolutionises pen selling. Saves precious counter space—less than one square foot features upwards of 5 dozen Scroll Pens and Pencils in a way that will invite public attention and create more sales.

**IS ENTIRELY FREE!**

This unique selling aid is entirely free to you as a Scroll stockist. The initial stock of "top selling" merchandise supplied will show you a handsome profit.

*Full details gladly sent on request*



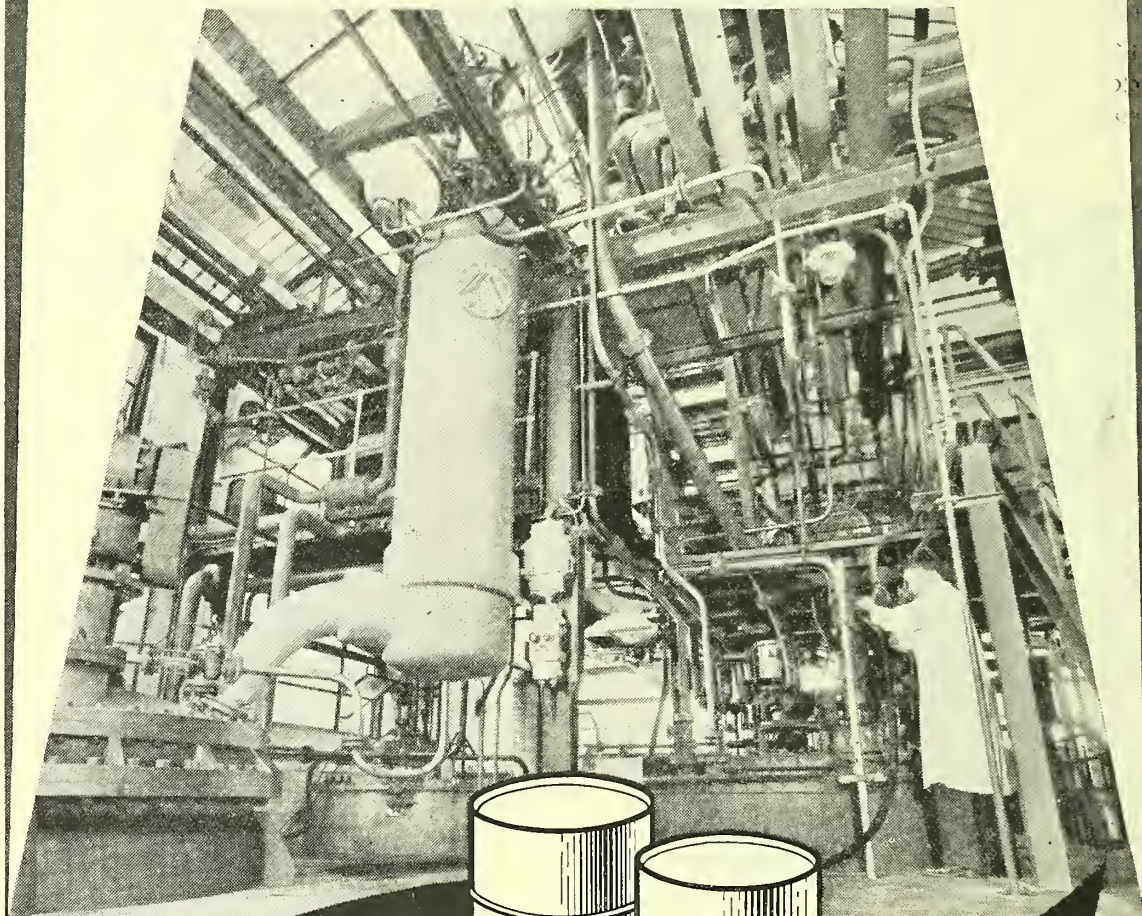
**'TURN-ME-ROUND'**

write to :

**SCROLL PENS LTD. LOCKFIELD AVENUE,  
BRIMSDOWN, ENFIELD**



## BARBITURATES in BULK...



for home

and overseas

GEIGY Barbiturates are used with confidence by the Medical Profession in all parts of the world.

They are produced in large quantities in our own works to the highest possible pharmaceutical standards of purity.

Phenobarbitone B.P.  
Phenobarbitone Sodium B.P.  
Barbitone B.P.  
Barbitone Sodium B.P.  
Butobarbitone B.P.C.  
Amylobarbitone B.P.C.  
Amylobarbitone Sodium B.P.C.  
Cyclobarbitone B.P.C.  
Cyclobarbitone Calcium  
Hexobarbitone B.P.  
Methylphenobarbitone B.P.  
Quinalbarbitone Sodium B.P.

WELLCOME INSTITUTE  
LIBRARY

Coll. WelMOMec

Coll.

No.

GEIGY PHARMACEUTICAL COMPANY LTD



MANCHESTER



# Heinz Strained Foods business has multiplied 5 times in 8 years

Only the finest ingredients are used in Heinz Strained Foods. They are recommended by the medical profession and backed by national advertising. No wonder demand is growing so quickly. Check your stocks and re-order now. You can increase your business by selling the full range of 19 varieties.



H. J. Heinz Company Ltd., Harlesden, London N.W.10



## THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland*

Volume 166

July 28, 1956

No. 3988

### CONTENTS

A Display of Pædiatric Remedies ...	88
An English Pharmacist in Canada—4 ...	95
A Test on Penicillin Lozenges ...	89
Examination Results ...	84
Hospital Pharmacists' Salaries ...	85
Hospital Pharmacy Forum ...	97
Leading Articles:—	
Pedantic Nonsense ...	93
Drafted Too Soon? ...	93
United Kingdom Exports in June ...	93
Medical Research Council ...	90
N.H.S. Regulations ...	85
Onward from Galen ...	94
Pharmaceutical Society of Ireland:	
Council Meeting (concluded) ...	97
Pharmaceutical Society of Northern Ireland:	
Council Meeting ...	98
Pharmacies of Britain—48 ...	91
Topical Reflections ...	83
British Fine Chemicals ...	98
Business Changes ...	87
Correspondence ...	89
Deaths ...	87
Fifty Years Ago ...	96
In Parliament ...	86
Legal Reports ...	86
Marriages ...	87
New Companies ...	86
News in Brief ...	83
N.H.S. Statistics ...	85
P.A.T.A. ...	104
Personalities ...	87
Price Changes ...	104
Print and Publicity ...	104
Sport ...	83
Trade Marks ...	103
Trade Notes ...	88
Trade Report ...	101
Wills ...	103

### INDEX TO ADVERTISERS, Pp. 5 & 6.

#### EDITORIAL AND PUBLISHING OFFICES

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telephone: Central 6565

Telegrams: Chemicus, Estrand, London

#### Branch Offices:

BIRMINGHAM, 2: 111 New Street

Phone: Midland 2921

GLASGOW: 35 Kingslynn Drive, LEEDS, 16: 32 Wynford Rise,

King's Park, S.2.

West Park. Phone: Leeds 67,8438

Phone: Langside 2813

ANNUAL SUBSCRIPTION, which includes The Chemist and Druggist Diary and Year Book, £2. Single copies one shilling each.

# 'Marzine'

## STOPS travel sickness

National Advertising is now appearing.

Make sure that 'Marzine' Display Material is prominently shown in your window or on your counter.

A good display of 'Marzine' now will ensure that you get your full share of this profitable business.



FLASHING  
DISPLAY

SHOW MORE  
SELL MORE



COLOURED  
MOBILE



COLOURED SHOWCARD

Check your stocks of 'MARZINE'—remember that our Bonus offer holds good until the end of July. Orders for 3 doz. or more, carry a bonus of one free tube for each dozen.



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd) LONDON

1047



# The CHEMIST AND DRUGGIST

Volume 166

JULY 28, 1956

No. 3988

## Hospital Salaries Claim STAFF SIDE PROPOSES NEW SCALE

THE staff side of the Pharmaceutical Whitley Council Committee C is submitting a claim to the management side for a revision of the salary scale for hospital pharmacists.

Increases asked for range from £125 higher commencing salary in the basic grade to £370 higher maximum salary for a chief pharmacist, category V, with part-time and sessional rates adjusted *pro rata*. The staff side is also claiming revision of the allowances for higher qualifications and for teaching hospital responsibilities, and additional allowances for group pharmacists. Details of the proposed scale and allowances are given on p. 85.

## New Welfare Payments

### OPERATIVE DATES ANNOUNCED

ARRANGEMENTS for introducing the changes and improvements in certain allowances and pensions provided for in recent legislation were announced on July 23 by Mr. Boyd-Carpenter (Minister of Pensions and National Insurance). Among them are the following: From August 1 school-children and apprentices who are not fully earning their living will count for family allowances and for the children's benefits of the national insurance and industrial injuries scheme up to their eighteenth birthday; from October 2 family allowances for third and younger children will be raised to 10s. a week; from July 30 the net amount which retirement and widow pensioners can earn without reductions in their pensions is raised by 10s. to 50s. a week. Pensioners earning over 50s. a week will have 6d. deducted from their pension for each shilling earned between 50s. and 70s. a week. One shilling will continue to be deducted for each shilling earned over 70s. a week. The earnings rule applies to men under seventy and women under sixty-five.

## French Pharmacists

### ANNUAL CONGRESS IN PARIS

THE French Pharmaceutical Congress (*Journées Pharmaceutiques Françaises*) is being held at the Faculty of Pharmacy, Paris, October 1-6. The Congress, which is being organised by the Technical Pharmaceutical Society, is being opened on October 1 by Mr. René Fabre (dean of the Faculty of Pharmacy and president of the Congress). The opening address is being given by Professor G. Valette on "Methods for Evaluating the Toxicity of Medicines," which is the theme of this year's sym-

posium session of fourteen lectures. The programme includes lectures by Professor H. Diacono (*Institut des Hautes Etudes, Tunis*) on "Hæmoglobins and Hæmoglobinosis (Hæmatology and Serology)"; Professor L. Blanquet (Faculty of Medicine and Pharmacy of Clermont-Ferrand) on "Hydrology and Pharmacy"; Mr. J. Trefouel (director of the Pasteur Institute) on "Thoughts on Antibiotics"; and Miss Edith Bulbring (lecturer in pharmacology, University of Oxford) on "Variation in the Electrical Properties of Smooth Muscles Following Treatment with Medicaments." During the Congress a pharmacy exhibition is being held on the premises of the Faculty. Visits to factories and laboratories are also being arranged, as well as visits to a national

theatrical performance at *La Comédie Française* and gala night at the *Moulin Rouge*. The organisers invite the attendance of British pharmacists, who should write for fuller particulars and English programme to Mlle. Tocque-Lichtenberger, J.P.F. 1956, 2 Square de Luynes, Paris, 7e, France (telephone: Litré 08,50).

## Doctors' Conference

### WARNING OF ASPIRIN DANGERS

MEETINGS of the general practice and scientific sections of the conference of the British Medical Association were held during the second week of the conference in Brighton, July 5-12 (see C. & D., July 14, p. 25).

During a meeting of the general practice section on July 10, DR. G. I. WATSON, Peaslake, said that the discovery of antibiotics and the control of bacterial diseases had brought viral infections into fresh prominence. The comparative severity of viral illnesses was a subject requiring more study. It was a good thing if someone in every household could read a thermometer. But he urged caution in the use of



A CALL AT QUEEN SQUARE: In the course of a private visit to Britain (see p. 87), Mr. N. O. Oso (secretary, Pharmaceutical Society of Nigeria) visited the headquarters of the National Pharmaceutical Union recently. He is here seen with Mr. L. Duro (a member of the Pharmacy Board of Nigeria) (left), Mr. H. Noble (secretary, N.P.U.), Dr. H. Davis (chief pharmacist, Ministry of Health), Mr. F. W. Adams (registrar of the Pharmaceutical Society) and Dr. Omodele Alikaya (Senior Medical Officer, Lagos) (right).



aspirin. In the poliomyelitis season the reaction might be to induce the disease in a paralytic form. The danger was not confined to poliomyelitis. Aspirin-taking lowered the body's natural immunity to virus diseases. He recommended the use of sponging down to reduce a child's temperature rather than the casually-accepted method of administering aspirin before the doctor's arrival.

At the meeting on July 11, Dr. Keith Simpson (Home Office pathologist) criticised the manufacture of pills and tablets to look and taste like sweets. Dr. Simpson said he could not understand why the public had not been alarmed at sweets and pills being made to look alike. Sweets or soporifics? It was fun or death for the child. He showed his audience a container which children could not open. Mothers' barbiturates were safe in that, he said, and Dr. C. A. Boucher (senior medical officer, Ministry of Health) said that almost every home in the country was now like a chemist's shop. Parents should remember that almost any medicine for an adult could be dangerous, and might be fatal, to a child if taken in large enough quantity. The best protection was to keep medicines under lock and key in a medicine chest.

At the meeting of the scientific section on July 12, Dr. C. D. Calnan (St. John's Hospital for Diseases of the Skin) said that it was usually the colouring material in lipstick, face powder, and creams, and the synthetic resin used in nail varnishes, that induced skin diseases.

## Food and Drug Chemistry

### COURSE OF LECTURES IN LONDON

AN evening course of lectures and practical work based on the syllabus for the examination for the Diploma of the Royal Institute of Chemistry is being held at the department of chemistry, Chelsea Polytechnic, Manresa Road, London, S.W.3, extending over two complete sessions, commencing September 25. The course covers the chemistry and microscopy of food, drugs, and water. Enrolment is at the Polytechnic from 6-8 p.m. on September 19. Particulars can be obtained from the principal of the Polytechnic.

## Causes of Deaths

### PROVISIONAL FIGURES FOR 1955-56

THE Return of the Registrar-General for the March quarter of 1956, recently published, included a provisional table of causes of deaths in England and Wales in 1955. The table shows that deaths from accidental poisoning and burns at 1,173 and 817 respectively, continued to increase, comparative figures for 1954 being 1,032 and 781. Deaths from whooping cough declined from 243 in 1953 to 139 in 1954, and to a record low figure of eighty-eight in 1955. Deaths from scarlet fever in 1955 also reached a low record of twenty-one. Deaths from diphtheria increased from nine in 1954 to thirteen in 1955. Measles was also the cause of more deaths in 1955 (176) than in 1954 (50). Deaths from tuberculosis continued to decrease, and deaths from

cancer of the lung and coronary thrombosis to increase.

## Medical Films

### BRITISH MEDICAL ASSOCIATION AWARDS

THE Council of the British Medical Association is considering the annual award of two prizes of £52 10s. each, with certificates, for 16-mm. medical films. One prize is being given for commercial and one for non-commercial film producers. The choice of subject is left to the competitor, but the judges will pay special regard to the value of the film to the B.M.A. Film library, and the likelihood of its frequent use; for example, a film showing a broad clinical presentation of a subject is likely to be more acceptable than one limited to a demonstration of operative technique. The closing date for receipt of entries for the first competition is September 30, 1957. Full details are obtainable from the secretary, British Medical Association, B.M.A. House, Tavistock Square, London, W.C.1.

## N.H.S. in Surrey

### EXECUTIVE COUNCIL REPORT, 1955-56

IN the annual report for 1955-56 of Surrey Executive Council, it is stated that there are 446 pharmacies in the area, and in addition six drug stores, and seventy-three surgical appliance suppliers. The Executive had tested 205 drug samples and forty-three appliances during the year, and of those seventeen reports of drugs and two of appliances were referred to the pharmaceutical service committee for investigation. Two re-test samples of drugs were taken and one of those was referred to the pharmaceutical service committee. During the period, 5,994,283 prescriptions (3,570,643 forms) were dispensed at a cost of £1,429,968.

## SCOTTISH NEWS

### Heriot-Watt College

#### AWARDS TO STUDENTS

AWARDS were made recently to pharmacy students at a prize-giving at Heriot-Watt College, Edinburgh, as follows:—Third year: *Duncan memorial medal and prize presented by Boots Pure Drug Co., Ltd., for pharmacognosy*: Brian Giles, Hull. *J. Rutherford Hill conference prize for pharmaceuticals*: Peter Wood, Ambleside. *Pharmaceutical chemistry prize presented by Evans Medical Supplies, Ltd.*: Harold Nash, Lancaster. *Physiology prize presented by Boots Pure Drug Co., Ltd.*: James B. Snoddy, Kirkcaldy. Second year:—*General excellence prizes presented by Evans Medical Supplies, Ltd.*: Laurence C. Cameron, Edinburgh, and Norman Allen, Glossop. First year:—*Malpas Memorial prize for physics*: Alexander B. Anderson, Edinburgh.

## IRISH NEWS

### On Prescription Only

#### A DIABETIC DRUG ON RESTRICTED SALE

REGULATIONS governing the sale of N-butyl-N-sulphanilylurea, for oral diabetic treatments, have been introduced by the Minister for Health in

Ireland. Preparations of the substance may normally be sold only on prescription, which must be signed and dated by a registered medical practitioner, whose address must be on the prescription. The name and address of the patient must also be recorded on the prescription. A doctor can prescribe only a specified quantity of the controlled preparation on one occasion, or a specified quantity on a specified number of occasions at specified intervals. If the number of occasions or intervals is not mentioned the prescription is to be deemed as for one occasion. A pharmaceutical chemist or dispensing chemist and druggist must write the word "dispensed" and the date of dispensing on each prescription, which must be retained for at least two years and then destroyed. Where dispensed in part, a prescription must be so marked, and all prescriptions must be available for inspection by officers of the Minister or the Pharmaceutical Society.

## Successful Students

### CERTIFICATES FOR NEWLY QUALIFIED

SUCCESSFUL candidates in the June Qualifying examination of the Pharmaceutical Society of Northern Ireland were presented with their certificates by the president of the Society (Mr. S. E. Campbell) in Belfast on July 20. After congratulating them, Mr. Campbell said that they were now joining the ranks of pharmacy, which was looked on by all walks of life as a "very honourable profession." That was something they should always bear in mind, he said. "Never do anything which will sully the good name of pharmacy." The gold medal of the Society was presented to Mr. Patrick I. O'Neill, Enniskillen, and the award for the best pharmacognosy results went to Mr. Arthur G. Newberry. Mr. John Morley (chairman, Associates' Section, Ulster Chemists' Association), presented his Section's awards for best in physics to Mr. L. J. Groves, and best in pharmaceuticals to Mr. H. M. Hamilton. Mr. O'Neill, on behalf of the recipients, expressed thanks to the president, Mr. Morley and the Council for their arrangements.

## Examination Results

### FIFTEEN LICENTIATES

OF forty-three candidates who sat for part two of the July licence examination held by the Pharmaceutical Society of Ireland the following were successful: M. J. Aylmer, T. A. Bluett, Olive F. Boles, Margaret M. A. Coyle, G. J. Fitzgerald, Mary Glynn, M. J. Hynes, J. Kelly, C. C. Maguire, M. J. Moynihan, Bridget M. Murphy, W. P. Murphy, Mary B. O'Sullivan, Mary M. Roche, P. C. Singleton.

## Treasure Hunt

### ULSTER ASSOCIATES' SOCIAL EVENT

ABOUT 100 members of the Associates' Section of Ulster Chemists Association took part in a treasure hunt recently, followed by a supper-dance at a Belfast hotel. Winning car in the hunt was driven by Mr. N. Henderson; the second place being gained by Mr. G. Falls.



## NEWS IN BRIEF

FLUOROHYDROCORTISONE topical preparations are being made available for supply on prescription from August 1.

AMONG exhibitors at Peterborough Agricultural show, July 17-19, were Sturton & Sons, Ltd., chemists, who featured aerosol products and the Amplitone hearing aid.

BOOTS Pure Drug Co., Ltd., Station Street, Nottingham, have issued a denial of reports in the local and national Press that the company plans to open self-service branches in London and the provinces.

THE council of the Association of British Chemical Manufacturers has endorsed the recommendations of the Federation of British Industries and other national bodies urging restraint in prices.

MESSRS. K. J. Wadge and A. G. Madge (chairman and secretary of the Plymouth Branch of the Pharmaceutical Society) made a courtesy call on the lord mayor of Plymouth on July 16.

MEMBERS of the staff of Parkinsons, Ltd., Burnley, Lancs, recently made a presentation to Mr. J. Halstead, seventy-four-year-old clerk, who retired after fifty-three years' service; he was the longest serving employee of the company.

COUNCILS of twenty-eight London boroughs are joining the Association of Municipal Corporations in a drive to induce Mr. Duncan Sandys (Minister of Housing and Local Government) to make an early statement of policy on the derating of industry.

THE Bloch Trust, a charitable foundation with more than £400,000 for, among other things, the cure or alleviation of sickness and disease has been set up by Sir Maurice Bloch, a Glasgow businessman. Glasgow University court has accepted £35,000 from the trust to be used for an annual lecture and a medical research scholarship.

A THIRD oil-cracking plant is being erected by Imperial Chemical Industries, Ltd., at Wilton, Yorks, the main product of which will be ethylene, used in manufacturing Alkathene brand of polythene. The company is building additional plant for Alkathene, and the total cost of the projects will exceed £16 millions.

At Edinburgh University's graduation ceremony, on July 18, the Cameron prize in medical therapeutics was awarded jointly to W. D. M. Paton (professor of pharmacology, Royal College of Surgeons) and Mrs. Eleanor Zaimis (reader in pharmacology, Royal Free Hospital, London) in recognition of their work on methonium compounds.

## SPORT

GOLF.—SOUTH LONDON AND SURREY PHARMACISTS GOLFING SOCIETY, at Woodcote Park course, on July 18. *F. Widocks memorial trophy*: 1, W. J. Baldock, Croham Hurst, 1 up (better score on last 9 holes); 2, A. Barnetson, Mitcham, 1 up; 3, M. Lewis, Shirley Park, all square. *Cow & Gate trophy*: E. Foster, Coulsdon Court, all square; 2, D. Spier, Shirley Park, 3 down. *Visitors' prize*: 1, A. Manahan, Shirley Park, 4 up; 2, L. Upson, Shirley Park, 1 up; 3, Dr. H. Magonet, Shirley Park, all square.

# TOPICAL REFLECTIONS

By Xrayser

## Taking Stock

Publication of the annual educational issue of THE CHEMIST AND DRUGGIST is the occasion for an interesting and in some ways an illuminating account of the School of Pharmacy of the University of London, and also for a thoughtful and thought-provoking editorial on its implications. The fact that the School of Pharmacy no longer prepares students for the Society's examinations is regrettable on more than mere sentimental grounds. The prestige of the Society's own examination has suffered by the policy of exclusiveness there displayed. It may be argued that the aims of the university are quite different, and that those who merely desire registration as pharmacists are adequately catered for by the numerous technical colleges providing courses for the diploma. There is an increasing demand in the research and manufacturing field for chemists who have a more specialised knowledge, and the set-up in Brunswick Square appears to be the logical approach to the training of such specialists. It is obvious that industry will gladly absorb the total output. But you suggest that there may be a danger that other schools may follow the London example by ceasing to provide courses for the diploma, and that danger is very real. I have heard complaints voiced at representative gatherings—not in public debate, but in the invaluable little discussion groups which get together after the meeting—that, in some schools which prepare students for both degree and diploma, the prospective entrant to pharmacy finds himself influenced to take the degree when his original intention was to qualify by sitting the Society's own examination. With the present entrance requirements, the first contact of the aspiring pharmacist is nowadays usually with the schools, and the influence of the interviewer is strong indeed.

## The Society's Position

The Society's educational policy, as foreshadowed, appears to be in the nature of a compromise, but it should not be unduly influenced by the curriculum of the degree course. It is necessary to keep abreast of modern developments in relation to the requirements of modern general practice, and that should be the aim of the Society. General practice demands a knowledge, a training and a distinctiveness in its own right, and if the degree requirements do not run on parallel lines, the Society must satisfy itself that anyone wishing to register as a pharmacist is a suitable person with the requisite skill and knowledge. It is true, as you say, that it is in the statutory position of the retail chemist that the Society finds its main *raison d'être*, and I note that that point was emphasised by one of the speakers at a meeting held in Edinburgh recently, when education was under discussion (p. 57). It may be that, in changing circumstances, an increasing number of graduates will seek admission to the Register. It may be that eventually entrance to the Register will demand a degree. But the Society's statutory responsibility remains, and nothing must be allowed to weaken it.

## People and Housing

The problems created by the rehousing of families over the country as a whole are many and varied. Wolverhampton is experiencing difficulty in acquiring its medicines in some areas, and people are reported as having "to walk long distances to fetch medicine" (p. 51). In the warm and human language of officialdom, the sufferers are referred to as "overspill families," and periodically we read of the need for "decanting" families from city centres to the outskirts in order that rebuilding may be accomplished, though the officials are strangely silent about any residue. The fact is, of course, that in our urban way of life the people have never had to go far to the nearest pharmacy, and they have come to take that situation for granted. It is one of the main reasons why a few large, widely-separated health centres would not fit readily into the pattern of life and of service that people have grown to accept and expect.



## IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

MR. V. J. COLLINS asked the Minister of Health on July 23 whether he was aware that, despite a salary award of May 1955, pharmaceutical staffs of hospitals were 30 per cent. under establishment; that the position was deteriorating; and what steps he would take to effect an improvement. MR. R. H. TURTON (Minister of Health) said he was aware that there was a shortage of pharmacists in hospitals as elsewhere. He was considering what action should be taken. MR. COLLINS asked whether the Minister was aware that, for the past twelve months, hospitals had had to pay from £14 14s. to £16 16s. a week for locum pharmacists because they could not recruit permanent staff at £550 a year. Was not that the crux of the matter, and would Mr. Turton deal with it quickly? MR. TURTON replied that the remuneration of locum pharmacists was a matter for the Pharmaceutical Whitley Council. Replying to MR. A. BLENKINSOP, MR. TURTON said that the chief pharmacists of two hospitals had recently left the service for outside employment. There was a shortage of pharmacists not only in the hospitals but in the Ministry's other services, and he was perturbed about it.

The Minister had previously told Mr. Collins (on July 13) that he was not aware that the reason two chief pharmacists had recently left the hospital service for other employment was that they were unable to perform their

duties properly because of the failure to recruit sufficient qualified staff in the pharmaceutical departments of hospitals.

### Tranquillisers

MR. A. BLENKINSOP asked the Minister of Health on July 23 what action he was taking to prevent the excessive prescribing of tranquillisers, in view of recent medical information. A strong advertising campaign about that type of drug was being started, and doubts were expressed in medical circles about the value of the drug. Could the prescribing of it not be restricted to hospitals until further information was available? MR. R. H. TURTON (Minister of Health) said it was not advisable for Ministers to interfere with the right of doctors to prescribe. If the medical profession had doubts about the advisability of those drugs there would be a drop in the number of such prescriptions. DR. E. SUMMERSKILL asked what, since those drugs were for the most part proprietaries, he was doing to prevent excessive prescribing? MR. TURTON said he had been in communication with the British Medical Association on that point.

### Research Bill

The Department of Scientific and Industrial Research Bill was given a third reading in the House of Commons on July 16.

## LEGAL REPORTS

### Unauthorised Possession

At West London magistrates' court recently, William Grimond, Queensborough Terrace, Bayswater, was put on probation for two years on a charge of being in unauthorised possession of diamorphine, in contravention of the Dangerous Drugs Regulations, 1953.—The discovery by a Doncaster chemist (Mr. J. Williamson), that a signature at the end of a prescription was in a different writing from the body of the document, led to the appearance at Doncaster borough magistrates' court on July 17 of Flight-Lieutenant Thompson John Lees, Braefoot Avenue, Glasgow. The accused, a medical officer at Bawtry R.A.F. Station, nr. Doncaster, admitted four charges of possessing and attempting to procure morphine and diamorphine. He was alleged to have committed a total of forty-six offences under the Dangerous Drugs Acts between February 1955 and April 1956. Lees, who was ordered to pay £11 6s. costs, was given a conditional discharge.

### Thefts from Department

At North London magistrates' court recently, Mary Carmel Liston, Southwood Lane, Highgate, pleaded guilty to stealing from the Whittington Hospital, Highgate, between May 26 and July 11, three syringes, two containers, eight files, twenty ampoules of pethidine, and other goods. Suspicion fell on Sister Liston when drugs were missed from the Dangerous Drugs cupboard

in the operating theatre, because of a complete change in her character. A detective-sergeant who saw Sister Liston at her home found a syringe in her purse, another under her pillow, and a third in a drawer. He also found small files necessary to remove the caps from ampoules of pethidine.

### Alleged Suicide Attempt

HULL juvenile court, on July 4, was told that loneliness drove a fifteen-year-old girl to attempt to take her own life. A police inspector said the girl, when found in a hysterical condition at the Hull factory where she worked, had swallowed twenty-seven aspirin tablets. In a statement the girl admitted that on a previous occasion she had thought of taking seventy-five sleeping tablets but had become frightened. She was remanded for a fortnight.

### Four-tenths of an Ounce

At Liverpool, on July 3, a coloured ship's fireman from Barbados, Evans Seymour Small, was sent to prison for three months for unlawfully possessing 4/10 oz. of Indian hemp. A police constable who saw Small at North Sandon Dock gate on June 30 said his manner was suspicious. When searched he was found to have, in an inside pocket, a paper packet containing Indian hemp. Small said he had purchased the Indian hemp in East Africa for his own use; he did not intend to sell it and was not connected with any organisation dealing in Indian hemp on a large scale.

## NEW COMPANIES

P.C. = Private Company; R.O. = Registered Office

**ADYVIL CHEMICAL CO., LTD.** (P.C.).—Capital £100. The objects and other particulars are similar to those of Apexia Chemical Co., Ltd.

**S. F. THOMPSON, LTD.** (P.C.).—Capital £1,000. To carry on the business of chemists, druggists, etc. Directors: Susannah F. Thompson, M.P.S., and Susie Alexander, R.O.: 6 Queen Street, Godalming, Surrey.

**PRIMROSE PATH, LTD.** (P.C.).—Capital £1,000. To carry on the business of manufacturing chemists, etc. Directors: Herbert Edge, James W. Edge and Robert W. Edge, R.O.: 43 Preston New Road, Blackburn.

**WOULFE & CO., LTD.** (P.C.).—Registered in Dublin. Capital £20,000. To carry on the business of chemists, photographers, opticians, etc. Director: David Woulfe, 35 Grafton Street, Dublin.

**K. HART (CHEMIST), LTD.** (P.C.).—Capital £4,000. To carry on the business of wholesale or retail chemists, etc. Director: Agnes K. Bidwell, M.P.S. R.O.: 121 Newmarket Road, Cambridge.

**SCOTT (ILKLEY), LTD.** (P.C.).—Capital £6,000. To acquire the business of a chemist and druggist carried on by Alfred G. Scott, M.P.S., at Ilkley, etc. Directors: Alfred G. Scott and Lilian Scott, R.O.: 33 Brook Street, Ilkley.

**HATTON HILL PHARMACIES, LTD.** (P.C.).—Capital £1,000. To carry on the business of chemists, druggists, etc. Directors: Isaac Kushner, M.P.S., and Joseph Caplan, R.O.: 72 Sonning Avenue, Litherland, Liverpool, 21.

**T. L. DOUGLAS, LTD.** (P.C.).—Registered in Belfast. Capital £1,000. To carry on the business of chemists, etc. Directors: Thomas L. Douglas, M.P.S.N.I. and Helen Douglas, R.O.: 14 Donegall Road, Belfast.

**F. R. FINCH, LTD.** (P.C.).—Capital £100. To carry on the business of chemists, herbalists and seedsmen, etc. Directors: Phyllis Finch and David R. Nokes, R.O.: 139 Blendon Road, Bexley, Kent.

**BRADFORD SUPPLIES, LTD.** (P.C.).—Capital £100. To carry on the business of chemists, druggists, etc. Subscribers: Clifford Robson, and Harold Derwick. The first directors are not named. R.O.: Office of H. Derwick, 9 East Parade, Leeds, 1.

**N. KROLL, LTD.** (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in chemicals, gases, drugs, etc. Directors: Norman Kroll, M.P.S., Alfred Melzack, M.P.S. (director, J. A. Dale, Ltd.). R.O.: 38 Seeley Drive, Dulwich, London, S.E.21.

**LEEK CHEMICALS, LTD.** (P.C.).—Capital £100,000. To enter into an agreement with Sir Thomas & Arthur Wardle, Ltd., and to carry on the business of manufacturers of and dealers in chemicals of all kinds, etc. Directors: Gilbert Tatton, John W. Reeves, and Francis N. Morris, R.O.: Bridge End Works, Macclesfield Road, Leek, Staffs.



**CLARNELL, LTD. (P.C.).**—Capital £200. To carry on the business of chemists' sundriesmen, etc. Richard T. Elliott, M.P.S., is the first director. R.O.: 34 Church Street, Darton.

**R. W. McNinch, LTD. (P.C.).**—Registered in Edinburgh. Capital £10,000. To carry on the business of retail chemists and druggists, etc. Subscribers: R. C. McNinch, M.P.S., 68 Monument Road, Ayr, and S. C. McNinch.

**BELPHAR, LTD. (P.C.).**—Registered in Dublin. Capital £1,000. To carry on the business of wholesale or retail chemists, etc. Subscribers: Breda Keogh, and Stella M. B. Webb, 22 Clare Street, Dublin.

**DABITOFF CO. (1956), LTD. (P.C.).**—Capital £30,000. To carry on the business of chemical manufacturers, druggists, dyers, salters, manufacturers of and dealers in pharmaceutical and other preparations, etc. Subscribers: G. R. D. Lambert and K. M. Codd. Solicitors: Ashurst Morris Crisp & Co., 17 Throgmorton Av., E.C.2. R.O.: 4 Grafton Street, London, W.1.

**APEXIA CHEMICAL CO., LTD. (P.C.).**—Capital £100. To carry on the business of wholesale and retail chemists, druggists, manufacturers of and dealers in chemical products, vermicides, insecticides, etc. Subscribers: Jean Herbert and Thomas A. Herbert, 156 Strand, London, W.C.2. The first directors are to be appointed by the subscribers.

**FOSTER & SONS (KENT), LTD. (P.C.).**—Capital £100. To acquire the business of chemists carried on at 11 Nelson Road and 209 Trafalgar Road, Greenwich, etc. Directors: Cecil H. Foster, M.P.S., William E. Foster, M.P.S., Mrs. Margery Foster, M.P.S., Kathleen I. Foster and Gwilym T. Morris, M.P.S. R.O.: 14 Forest Hill Road, London, S.E.22.

## Company News

Previous year's figures in parentheses

**W. J. BUSH & CO., LTD.**—Group net profit for 1955 is £247,525 (£272,168); dividend 15 per cent. (same).

**WILLIAM R. WARNER & CO., LTD.**—The company announce that Dr. Leonard A. Scheele (formerly Surgeon General of the United States Public Health Service) is joining their American parent company as president of the Warner-Chilcott Laboratories.

**ENERGEN FOODS, LTD.**—Group trading profit for year ended March 31 was £140,760 (against £149,751) and, after deducting £38,361 (£53,145) for tax, net profits were £37,695 (£37,461). Dividend is maintained at 20 per cent. on the capital increased by a one-for-five issue of fully paid A shares, absorbing £17,509 (£14,353). During current year sales are still buoyant and the chairman (Mr. W. H. Bennett) sees no reason why results should not be satisfactory.

## BUSINESS CHANGE

**MR. DAVID J. McMAHON, M.P.S.I.**, has acquired the pharmaceutical business formerly carried on by Mrs. P. Burke, M.P.S.I., at Lixnaw, co. Kerry.

## MARRIAGES

**SIMPKIN—TIMEWELL.**—At Sheffield on July 21, B. L. Simpkin, A.C.A. (a director, A. L. Simpkin & Co., Ltd.) to Honor Timewell, Sheffield.

### Golden Wedding

**BARKER — WATERS.** — At New Malden Parish Church, Surrey, on July 24, 1906, Donald William Elsom Barker, M.P.S., to Ethel Roalfe Waters. Present address: 5 Watford Road, Croxley Green, Herts.

## DEATHS

**MILNES.** — On July 7, Mr. David Milnes, 23 Victoria Avenue, Scarborough. Mr. Milnes was the father of Mr. C. G. Milnes, M.P.S.

**NICHOLLS.**—On June 29, Mr. William Montford Nicholls, Vale View Cottage, Clitheroe, Lancs, aged sixty-four. Mr. Nicholls qualified as a chemist and druggist in 1913.

**TIDY.**—Recently, Mr. Albert Tidy, M.P.S., 9 London End, Beaconsfield, Bucks. Mr. Tidy, who qualified in 1908, had been in business in Beaconsfield since 1920.

**SCOTT.**—Suddenly, at the Adelaide Hospital, Dublin, on July 21, Mr.



Thomas Cecil Scott, M.P.S.I., 234 Harold's Cross Road, Dublin. A native of Monastrevan, co. Kildare, Mr. Scott served his apprenticeship with Hoyte & Son, Dublin, and qualified as a pharmaceutical chemist in 1909, following which he joined

the staff of the late Mr. D. M. Watson. From Watson's he went to Kilkee to take over the management of Mr. Newton's pharmacy, which he acquired in 1914. Six years later he purchased the pharmacy at Harold's Cross Road, Dublin, where he remained in business up to the time of his death. Mr. Scott was president of the Dublin and Provincial Retail Drug Association, 1933–36, during which time the Association became merged into the Irish Drug Association. As first president of the I.D.A., he worked hard to establish the new body, travelling up and down the country to form local affiliated associations. He was a member of the I.D.A. executive for twenty-three years, and its treasurer for many years. He was also for many years a member of the Council of the Pharmaceutical Society of Ireland, of which he was vice-president, 1947–49, and president, 1949–51. He is survived by two sons and two daughters, one of whom served her apprenticeship with her father and obtained her licentiatehip as a pharmacist.

A colleague writes:—In the death of Mr. Scott, Irish pharmacy has lost an outstanding and revered leader. The news of his death came as a shock to his colleagues on the Council, amongst all of whom he was held in the highest

csteem as a man of integrity and a loyal and devoted member of his profession. That Irish pharmacists had a well-knit organisation to defend their interests in recent critical times is due in no small measure to the unselfish pioneer work of men like Cecil Scott. Both in trade affairs of pharmacy and in the Council chamber of the Society, he had a fine record of service. His passing leaves a big void both at Shrewsbury Road and at Merrion Square.

## PERSONALITIES

**MR. NORMAN BRUDNEY, B.Pharm.**, was the author of a letter published in *The Times* on July 16 on the subject of hospital pharmacists' salaries.

**DR. H. DAVIS, C.B.E.** (Chief Pharmacist, Ministry of Health) leaves London

Airport on August 1 for Accra, Gold Coast. He is paying a two-month visit to that country at the invitation of the Gold Coast Government to advise on pharmaceutical policy, including the training and recruitment of pharmacists for government and private service, standards and practices of the pharmaceutical profession, and pharmaceutical legislation including poisons and Dangerous Drugs requirements. He will visit the Department of Pharmacy at the College of Technology, Kumasi, and before returning to England will probably spend a few days in Nigeria.



**MR. N. O. OSO** (secretary, Pharmaceutical Society of Nigeria) was recently in Britain on a private visit connected with his own business. Mr. Osó made calls at the Ministry of Health, Pharmaceutical Society and National Pharmaceutical Union, and on July 9 entertained in London a number of his old and new friends, including Dr. H. Davis (chief pharmacist, Ministry of Health) and Mr. C. L. Sargent (pharmaceutical department of the Ministry), Mr. F. W. Adams (registrar of the Pharmaceutical Society), Messrs. Allen Aldington (with Mrs. Aldington) and H. Noble (chairman and secretary, National Pharmaceutical Union), Mr. R. Greenwood (a director, Allen & Hanburys (Nigeria), Ltd.), and other officials of the company, together with Mr. L. Duro Emanuel (managing director, Nigerian Medicine Stores, Ltd., and a member of the Pharmacy Board).

**MR. F. B. WOODDISSE, Kenilworth, Warwicks**, has retired after sixty-two years in business in the town. Mr. Wooddisse, who is eighty-six, was for fifteen years chairman of the Warwickshire Branch of the National Pharmaceutical Union. He is an honorary member of Kenilworth Conservative Club, of which for a considerable time he acted as vice-chairman.



## TRADE NOTES

**Tax-free.** — Sandoz Products, Ltd., 134 Wigmore Street, London, W.1, point out that all forms of Sandosten plus calcium-Sandoz except the ointment are free of purchase tax.

**Distribution Change.** — Owing to inconvenience caused to customers because Nusan bandages and Nu-San preparations have different distributors, arrangements have been made for both items to be distributed by Dalmas, Ltd., Junior Street, Leicester.

**Penicillin Pack.** — The slide carton in which Boots Pure Drug Co., Ltd., Station Street, Nottingham, are issuing their Sol-Viules penicillin G crystalline contains two Viules of penicillin G, 0.5 mega units per Viule, and two vials of solvent. [Corrected note.]

**Benactyzine Hydrochloride.** — Imperial Chemical (Pharmaceuticals), Ltd., Fulshaw Hall, Wilmslow, Manchester, announce the introduction of Cevanol brand benactyzine hydrochloride, for the treatment of psychological disorders. The compound has a selective action on the central nervous system, and calms the emotionally disturbed or agitated patient without, it is claimed, causing stupefaction or mental dullness. Cevanol is presented in container of 100 1-mgm. tablets.

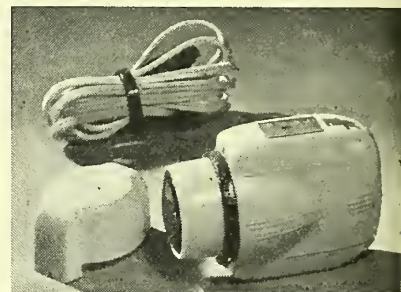
**Formula Change.** — Parisalon tablets for the treatment of bronchial asthma and similar conditions, which are manufactured by the Veritas Drug Co., Shrewsbury, and distributed in the United Kingdom by Coates & Cooper, Ltd., Pyramid Works, West Drayton, Middlesex, are now being prepared to an improved formula. Increased medical propaganda is being carried out. Stocks of the new packing are available from the distributors.

**Liquid Pædiatric Drops.** — Lederle Laboratories Division, Cyanamid Products, Ltd., Bush House, Aldwych, London, W.C.2, are introducing on August 1 Achromycin liquid pædiatric drops, replacing the earlier form of drops that require suspension with water. The drops are issued in a pliable plastic bottle with dropper tip designed to deliver 5 mgm. of Achromycin in each drop. The drops are cherry flavoured and specially suitable for administration to infants and children. The dropper bottle contains 10 c.c. (100 mgm. per c.c.).

**Released to Prescribers.** — By agreement with the Ministry of Health, E. R. Squibb & Sons, 17 Old Bond Street, London, W.1, have up to now been issuing their Florinef ointment

and lotion to hospitals only. The British synthesis of 9 $\alpha$ -fluorohydrocortisone acetate is now adequate to meet all domestic and export requirements, and the Ministry has agreed that the ointment and lotion shall be released on August 1 for general prescribing and dispensing. Both preparations contain 0.1 per cent. of the acetate which, it is understood, was first synthesised and investigated in the Squibb laboratories. The new derivative, being more potent than hydrocortisone, is issued in a low concentration. The ointment is issued in a 5-gm. tube and the lotion is supplied in a 15-cc. plastic squeeze bottle.

**Features of a New Shaver.** — A new shaver to be known as the Richard



Cadet is due to appear shortly. Powered by a vibrationless commutator motor functioning on 110/140 volts and 200/250 volts ac/dc, the shaver has a body and cap moulded in nylon and virtually unbreakable; the electric supply lead has a moulded rubber plug incorporating a ring for holding the flex, which cannot become detached and lost. A unique feature is that wear on the rotary cutting blades can be taken up by an adjusting ring on the head of the shaver. The concessionaires are B. H. Ries, Ltd., 19 Hatton Garden, London, E.C.1.

**Energy for Cricketers.** — By arrangement with the captains of both the England and the Australian cricket teams, supplies of Vita-glucose tablets are being made available in the dressing rooms at Old Trafford during the fourth Test match. The manufacturers are A. L. Simpkin & Co., Ltd., Hunter Road, Sheffield, 6.

### Holiday Closings

Most manufacturers are closed for business on Bank Holiday, August 6. The following exceptional arrangements have been notified:—

**MAY & BAKER, LTD.,** Dagenham, Essex. Sales office closed from 12 noon, Friday August 3.

**PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD.,** Dagenham, Essex. Order department closed from 12 noon, Friday August 3; urgent supplies from John Bell & Croyden, 50 Wigmore Street, London, W.1.

**JOHN WYETH & BROTHER, LTD.,** Clifton House, Euston Road, London, N.W.1. Closed from 10 a.m. Friday, August 3. Emergency supplies from John Bell & Croyden.

**BEANSTALK SHELVEING, LTD.,** Chichester, Sussex. Closed for annual holiday, July 30 to August 14.

## A DISPLAY OF PÆDIATRIC REMEDIES

### American doctors at a London children's hospital

AN exhibition of children's remedies on display in the pharmaceutical department of the Hospital for Sick Children, Great Ormond Street, London, W.C.1, was visited on July 19 by groups of American delegates on their way to the International Pædiatric Conference, which opened in Copenhagen, Denmark, on July 23.

The exhibition, which was arranged by Mr. A. G. Allnutt, F.P.S. (chief pharmacist at the hospital), assisted by Miss J. Crouch, M.P.S. (deputy chief pharmacist), featured new drugs used in pædiatrics, together with others less new but used in special forms and strengths in the treatment of sick children.

One exhibit demonstrated a treatment for phenylketonuria, involving the administration of a special diet, with a solution of mineral salts and vitamin tablets. The mineral salts solution, made up at the hospital, and the tablets, specially manufactured by Paines & Byrne, Ltd., are supplied by the Hospital for Sick Children to other hospitals.

Among antibiotics on show were penicillin suspensions and neomycin (used in infantile gastro-enteritis). An unusual way of using thiopentone (as a rectal anæsthetic) was indicated. As aperients for young children mist, neostigmin, and dioctyl sodium sulphosuccinate, a synthetic wetting agent which allows water to penetrate and soften hard faeces, were shown; as a treatment for leukaemia, 6-mercaptopurine; and three anti-epileptics in current use: Nydrane (Rona Laboratories, Ltd.), Milontin (Parke, Davis & Co., Ltd.) and Diamox (Lederle Laboratories Division of Cyanamid Products, Ltd.).

Pancreatin powder and 1-gr. pancreatin pills given in fibrocystic disease of the pancreas were shown in conjunction

with inhalations of Varidase (Lederle) in Alevaire (Bayer Products, Ltd.), used for respiratory complications of that disease.

As a sedative and hypnotic suitable for children Doriden tablets (Ciba Laboratories, Ltd.) were displayed. A new product featured was Tes-tape urine-sugar testing-tape (Eli Lilly & Co., Ltd.).

The exhibition also featured copies of the tablet identification guide published in *THE CHEMIST AND DRUGGIST*, June 30, p. 602, and a reprint, made for Imperial Chemical (Pharmaceuticals), Ltd., in 1953 of Culpeper's *Complete Herbal*, originally published in 1653.

In the sterile department was shown injection pethidine co., a stabilised injection of pethidine, Largactil and Phenergan in an antioxidant solution as a stabilising vehicle. The hospital is believed to be the only one producing a stabilised injection combining those three substances, and help in its formulation was given by Pharmaceutical Specialities (May & Baker), Ltd. The pharmaceutical department of the hospital, which has a complement of eight pharmacists and one dispenser, manufactures its own sterile injections, etc., specimens of which were on show.

Items on display in the main dispensary were set out against a background display screen produced by Burroughs Wellcome & Co., and illustrating diphtheria immunisation and the use of Antipar elixir as an anthelmintic. The polished wood screen has interchangeable pictures and allows small shelves to be attached for further display. Also on display were flow diagrams produced by Glaxo Laboratories, Ltd., and depicting penicillin, streptomycin and vitamin B<sub>12</sub>.



# A TEST ON PENICILLIN LOZENGES

## Broken seal puts test results in doubt

**BREAKING** the seals on two of a manufacturer's original tubes of penicillin lozenges, so as to divide the sample into three portions to comply with the requirements of the testing scheme, was stated by a Surrey chemist to be responsible for deterioration in the potency of the lozenges prior to analysis. The statement was made at a recent meeting of the Pharmaceutical Services Committee of the Surrey Executive Council, where it was established that in October 1955, in dispensing a test prescription for forty penicillin lozenges, the chemist supplied two packs of twenty lozenges in the manufacturer's original sealed tubes. The certificates of analysis of the Council's analysts, the analyst selected by the chemist, and the Government chemist, revealed a progressive deterioration in the potency of the lozenges. The chemist stated

that, in the division of the sample, seven lozenges were taken from one pack and six from another and placed in a third container. He believed that that had resulted in loss of potency. The tablets had been purchased eight months previously and had been stored under suitable conditions. A representative of the manufacturers stated that the tablets had been manufactured in June 1954, tests of the same batch of lozenges had proved satisfactory, and under correct storage conditions the lozenges should have a life of at least two years in Britain. The Committee found that they were unable to determine the condition of the lozenges at the time they were dispensed, and were therefore agreed that the chemist had not failed to comply with the terms of service. They recommended that the Minister be advised that the arrangements for test-

ing preparations which were required to be dispensed in the manufacturers' sealed containers should be such as to ensure that it was unnecessary to break the seal of the original container before dispatch to the analysts; and that on receipt of samples of such preparations they should be examined by the Council's analysts without delay. The Minister, in a written reply, stated that it was essential for the purposes of the Drug Testing Scheme that all samples of drugs taken should be divided into three portions and for that reason the Minister was unable to agree that penicillin lozenges should be sent for analysis in the original container with the seal unbroken. The Minister had approached the Council's analyst with a view to minimising delay between the date of receipt of the sample and its analysis.

## Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

### Out of Place

SIR,—In an article "Dublin's Fair City" (*C. & D.*, June 30, p. 579) an illustration bears the caption of Ross Castle, Killarney. This is surely Blarney Castle, co. Cork—home of the legendary Blarney stone. I was in Ireland last week and had the pleasure of visiting that famous castle; I cannot believe that two castles can be so similar.

London, N.1 RAYMOND HALL

[Our correspondent is right. The error was due to inadvertence. No blarney was intended—EDITOR.]

### A Matter of Ethics

SIR,—“Ethics” can be and often is used as an excuse for inaction. Many years ago, in a country town of Wiltshire, a cricket match was in progress and one of the players dislocated two fingers. He was naturally in great pain but, though one of the local doctors was among the spectators, he did nothing to relieve it. First aid was rendered by the local scout-master (incidentally a pharmacist). Would it have been unethical for the doctor to have acted in his professional capacity in those circumstances? The scout-master, ethically or, otherwise, was acting in accordance with humanity and common sense.

EMPIRICUS

### Pharmacy in the Services

SIR,—The British Royal Army Medical Corps—and Royal Air Force medical services—bid fair to become soon the worst in the world. Having served as a volunteer (in R.N.V.R.) in the 1914–18 war, I saw service in Mesopotamia and was a prisoner-of-war in Kut and in Turkey. The Naval medical services were good. Those of the Army were badly organised and inefficient. In the 1939–45 war I was once more “O.H.M.S.”—this time in India—and was commissioned in the Indian Army Ordnance Corps. It was apparent

that the medical services were in a muddle. Both the Indian Medical Service and R.A.M.C. broke down and the I.A.O.C., under Lieutenant-Colonel Griffen, reorganised the whole service of inspection and control of medical stores and supplies through India, Iraq, Iran, and the Far East. Once pharmacists took charge, efficiency was guaranteed, and the services soon improved. How long will our out-of-date War Office continue to rate “pharmacists” as “dispensers”? It is like rating motor engineers as chauffeurs, and just as ridiculous. Australia, India, South Africa and France, among other countries, have commissioned pharmacists. Why not Great Britain?

Chilwell R. G. DAVIES-JOHN

### Coupon Trading

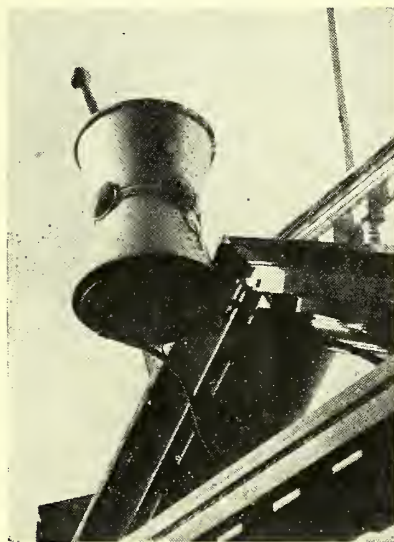
SIR,—A new low in the annals of British pharmacy has been reached with the National Pharmaceutical Union's decision to advise pharmacists to connive in coupon trading schemes. I use the word connive because those stunts are financed out of profits tax, thus diverting from the exchequer money of which part, in the long run—and if we behaved like a profession—might have contributed to increased N.H.S. remuneration. Previously, I had understood that both the Pharmaceutical Society and the N.P.U. were, in their respective spheres, dedicated to raising the standards of the profession. I should now like to know how this retrograde step will (a) attract the type of entrant envisaged by the Society's educational policy for the apprenticeship scheme discussed at the same meeting; (b) persuade the public that pharmacy is not on the same level as grocers, hairdressers, oil shops, walk-round stores, etc. Coupon trading is disguised price-cutting. It may only be a thin wedge of tooth-paste today, but what will it become tomorrow? A majority of the public buy their tooth-paste from the pharmacist. If chemists say “No!” to these schemes now, manufacturers will think twice before antagonising their 17,000 best sales outlets. If we say “Yes!” then we will put the clock back half a century, and pharmacy in Great Britain, as a profession, will be finished.

London, W.2 R. MURRAY HOWITT

### Appreciated

THE aid to identification of coloured and marked tablets on pp. 602-05 of your June 30 issue is extremely interesting and should be of great value for reference. Many other features in this issue are certainly beautifully presented, particularly the designs of apothecary ware.—H.C.H.

### A PHARMACIST'S SIGN



5. The giant mortar and pestle mounted on the classical pediment of the Hawley Pharmacy (Miss G. J. Little), 30 Hewlett Road, Cheltenham.



## MEDICAL RESEARCH COUNCIL

### Report on work done during 1954-55

THE report of the Medical Research Council for the year 1954-55 was recently published (H.M. Stationery Office, 10s.).

A discussion of general trends in medical research forms the main part of the report, and summaries of the work of the separate research establishments are given.

#### Work on Poliomyelitis

The general discussion begins with a review of the work done since November 1953 in the control of poliomyelitis. It mentions the initiation during 1954 of schemes for poliomyelitis research in laboratories in Manchester, Sheffield, Edinburgh, Glasgow, Liverpool and London, and states that one British manufacturing firm commenced to make formalised vaccine with the Salk strains on the American formula and a second firm prepared to do so. A plan was made for the inoculation of 300,000 British children with formalised vaccine in 1955, but owing to events in the United States it was decided to abandon the plan. The report goes on to describe the provisions made for safety testing of the British-made vaccine, and to record the results of the trial in America of the American one. It recalls that shortly after the results of the American trial, vaccination was stopped because it was found that certain batches of vaccine from one American laboratory were producing poliomyelitis, and describes the work of three specialised committees set up to deal with the situation. The report states that millions of children have now been vaccinated in America and Canada, and others in Europe and South Africa, without further accidents being reported. Ten laboratories in Britain, excluding those manufacturing vaccine, are taking part in the plan to evaluate the British vaccine. For still further progress towards the solution of the problem of preventing poliomyelitis, says the report, one school of thought looks to the development of an avirulent live virus which can be administered by mouth, thus simulating the natural method of gaining immunity. In America, Drs. Sabin and Koprowski have developed strains of very low virulence for the monkey and chimpanzee; those they have fed to human volunteers, resulting in the production of specific antibodies. Much more work must be done before those strains are ready for trial on a big scale. More small-scale studies are needed, from which to piece together the necessary information on safety and efficacy, and on the possible spread of the artificial infection to others.

The recent epidemiological pattern of acute poliomyelitis in England and Wales has been reviewed by Dr. W. J. Martin, of the Council's Statistical Research Unit, and a preliminary investigation has been undertaken at Colindale of the strains isolated in two chosen localities, and also of the presence of virus in sewage. Dr. R. J. Fallon has recently published the result of laboratory examination of

seventy-one sera from Liverpool and seventy-eight from Bettws-y-Coed, and has shown that in both places most sera contained antibodies to one or more types of the virus. Similar studies have been made in the past two years in Manchester, Sheffield, Belfast and Southend.

The way now seems open to concerted studies which, taken in conjunction with the epidemiological pattern based on notifications, may well throw more light on the mode of spread of poliomyelitis in Britain.

Two studies on the relationship between tonsillectomy and poliomyelitis have been concluded and the results reported. In the first it was found that the risk of contracting the bulbar forms of the disease was increased by recent tonsillectomy, but that the operation had probably no influence on the development of spinal paralytic or non-paralytic forms. In the second investigation, it was concluded that persons whose tonsils had been removed were more likely to develop the bulbar form of poliomyelitis than those who had not had the operation.

#### Influenza: Three Approaches

Research on influenza, says the report, is proceeding along three main lines: (1) The mode of reproduction of the virus; (2) the epidemiology of the infection and its relation to antigenic variations of the virus; and (3) trials of influenza vaccines. Regarding the mode of reproduction, recent investigations indicate that the process of reproduction does not consist simply in division of the virus but is one in which the host cell itself is intimately concerned. Hoyle in Britain, G. L. Ada and his colleagues in Melbourne, and others are proceeding with research on the disintegration of the virus whereby it is hoped that further light may be shed on the problem of the quantitative contribution of the host towards the finished virus particle. B. K. Watson and A. H. Coons in the United States, by means of their fluorescent antibody technique, and W. Frisch-Niggemeyer and Hoyle in Britain, using virus labelled with radioactive isotope  $^{32}\text{P}$ , have both obtained evidence of the presence of virus nucleoprotein within the nucleus of the host cell. Progress in the study of the epidemiology of influenza since 1951 is described, and accounts are given of clinical trials using different influenza vaccines. The report states that within the past two years American workers have discovered a new group of respiratory viruses to which the name APC has been given, because some of them can be isolated from adenoid tissue, and some give rise to mild acute pharyngitis or conjunctivitis or both, as well as to an influenza-like clinical picture of acute respiratory disease. Viruses of that group have been recovered in Britain from adenoids removed from children and serological evidence of past infection with them has been obtained in widely different groups of the population. Acute respiratory disease

may therefore be the result of infection with influenza viruses, with APC viruses, sometimes with the virus or viruses of the common cold, or possibly with other still unknown viruses. That fact alone is bound to influence the reliability of assessment of the value of influenza vaccines in the field. The field laboratories of the Public Health Laboratory Service are now being equipped for testing for APC viruses.

Regarding vaccination against tuberculosis, the report gives an account of the introduction and development of B.C.G. vaccine, and the results of clinical trials using both that vaccine and Wells's vole bacillus vaccine. It is stated that the short-term value of B.C.G. and vole bacillus vaccination of young people in this country is thus established beyond question. Of the two vaccines, B.C.G. is to be preferred for the time being, since a few undesirable skin complications followed the use of vole bacillus vaccine. It is possible that a change in the method of introducing the latter into the skin may remove that disadvantage. Investigation indicates that B.C.G. vaccination of all those eligible would have reduced, by at least one-half, the expected number of cases of tuberculosis developing between 14 and 17 years of age in the whole population group involved. The investigation at this stage provides no information about the development of tuberculosis in the vaccinated participants during later life. This first report also throws some light on the relation of allergy to immunity, and the specificity of the tuberculin reaction.

#### Mechanisms of Allergic Reactions

Discussing recent work on the mechanisms of allergic reactions, the report says that recently Drs. Riley and West have shown that in many species histamine is stored in inert form in the blood, and tissue "mast" cells, and is readily liberated by damage to these cells, but histamine is not the only pharmacologically active substance involved. Mr. W. E. Brocklehurst showed that, when anaphylaxis occurs in the isolated lungs of the guinea-pig or man, a substance is released, in addition to histamine, which powerfully contracts smooth muscles: Drs. Humphrey and Jaques observed that combination of antigen and antibody *in vitro*, in the presence of plasma, brings about changes in blood platelets which cause them to liberate active substances, such as 5-hydroxytryptamine, which are contained within them; and Mr. Brocklehurst, Dr. Humphrey and Dr. W. L. M. Perry have shown that some of the basic manifestations of acute anaphylaxis can be obtained in rats under conditions in which little, if any, histamine can be released.

Dr. T. Inderbitzin has observed a large increase in the local bound histamine content at the site of a tuberculin reaction, an increase which parallels the mononuclear cell invasion. When the mononuclear cell invasion was prevented both the intensity of the reaction and the local accumulation of histamine were greatly diminished.



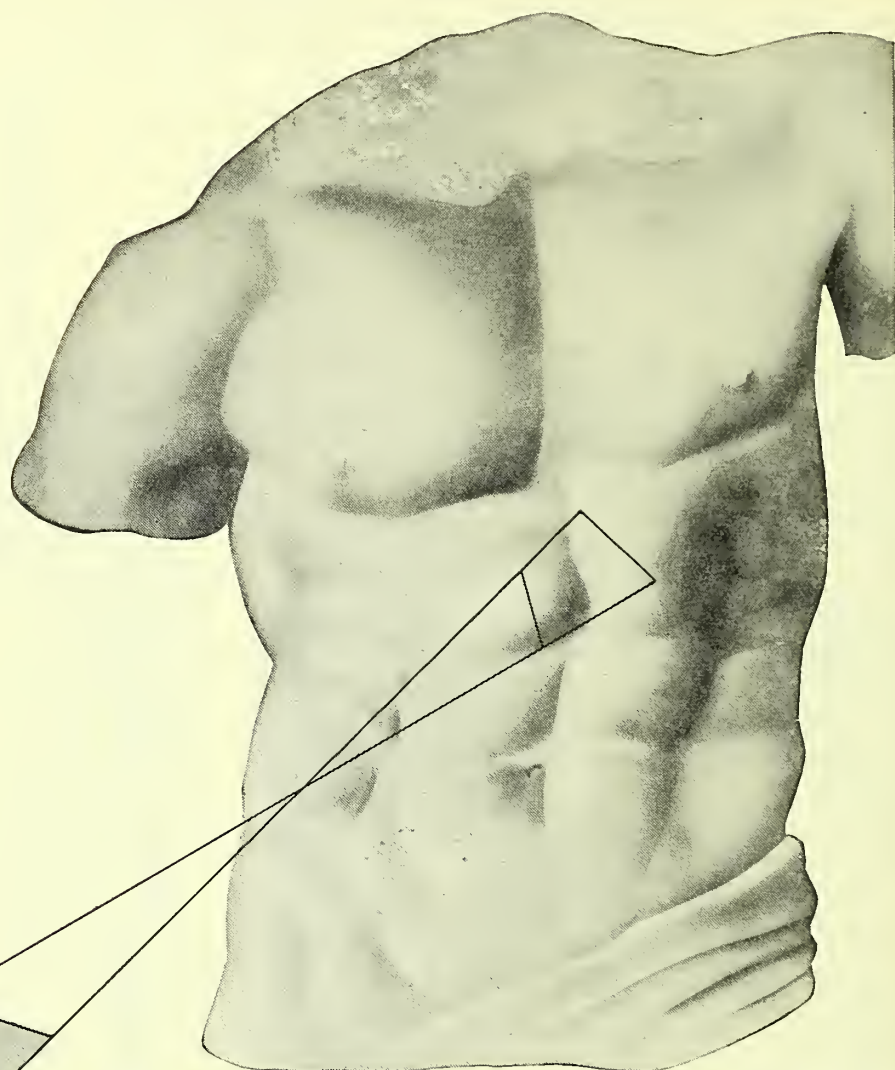
# PHARMACIES OF BRITAIN—48



THE STRATFORD-ON-AVON PHARMACY OF C. F. LOGGIN

*The pharmacy at 3 High Street, Stratford-on-Avon, which carries the name C. F. Loggin, is under the proprietorship of Mr. R. G. Gibbs, M.P.S. Established in 1836, the pharmacy achieved a widespread sale for its veterinary medicines, many of which were made at an old mill nearby and brought in daily on a wooden-wheeled trolley by a porter, who lived-in on the premises.*





## A REMARKABLE STARCH - DIGESTANT

A potent starch liquefying enzyme of vegetable origin, TAKA-DIASTASE\* will render soluble 300 times its own weight of cooked starch in ten minutes. Resembling both ptyalin and amylopsin in its activity, it is particularly effective in relieving amylaceous dyspepsia, gastric discomfort, and as an aid to nutrition.

# TAKA-DIASTASE

## Starch-liquefying enzyme

### TAKA-DIASTASE SEDATIVE ELIXIR (No. 198)

A combination of Taka-Diastase, bismuth and nux vomica for dyspepsia accompanied by nausea or pain.

### TAKAZYMA

Taka-Diastase, with insoluble carbonates. Gives 3-fold relief of (1) hyperacidity (2) undigested starch (3) irritation of gastric mucosa. Powder in jars of 2 ozs. and tins of 1 lb. Lozenges in bottles of 30 and 100.



**PARKE, DAVIS & COMPANY, LIMITED** (Inc. U.S.A.) HOUNSLOW, MIDDLESEX. Tel: Hounslow 2361  
and at Carfin Industrial Estate, Carfin, Lanarkshire. Tel.: Holytown 326/7

\*Trade Mark



# The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at

28 Essex Street, Strand, London, W.C.2

TELEPHONE CENTRAL 6565

TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

## Pedantic Nonsense

A DECISION given by the Ministry of Health and affecting the analysis of penicillin lozenges (p. 89) appears to us an unhappy example of bureaucratic unreasonableness and stupidity.

The regulations governing sampling of drugs under the Food and Drugs Act provide for the division of the sample into three parts, one each for the analyst of the local authority concerned, the Government chemist and an independent analyst selected by the retail seller. The same procedure is followed for the testing scheme to which chemist contractors are subject under the National Health Service Acts. The object of the partition is to provide scrupulously fair conditions for the vendor.

No matter into how many parts samples are divided, nor how impartial the analyses, however, the tests become unfair if they are made to apply to abnormal conditions of supply. In the example under discussion penicillin lozenges, an unstable preparation, were taken from two original containers, in which they would normally be dispensed, and divided as prescribed into three parts two of which went back into the containers from which they had come and the third went into a new container. Not surprisingly there were discrepancies in the results obtained by the three analysts, especially as delays of varying length occurred between sampling and testing. The discrepancies indicated a progressive deterioration in the potency of the lozenges, and the Executive Council with which the chemist was under contract rightly found themselves unable to conclude that he had failed to comply with the terms of service. The Committee recommended, again most reasonably, that the testing arrangements should be modified to ensure that seals of original containers should not have to be broken in order to provide the samples for analysis.

The Minister's reply stated that—for the reason that all samples taken for analysis must be divided into three parts—he was unable to agree that penicillin lozenges should be sent for analysis in original containers with the seal unbroken. If he cannot accept that three original containers are from the same batch when he has, through his officials, accepted three samples from two containers as being uniform, then he subordinates everything to an obstinate pedantry that is capable of inflicting great injustice on chemist contractors, and our advice to any who may have penicillin lozenges taken for test is not to accept the analytical

reports without the closest scrutiny and if necessary the strongest challenge.

## Drafted Too Soon?

WHO gave the Pharmaceutical Society's Education Committee authority to draft revised regulations for registration as a "Student" of the Society and for the proposed Entrance examination? It was reported to the July meeting of Council that the regulations had been drafted and in general approved by the Education Committee (C. & D., July 14, p. 40).

When the interim report of the education subcommittee was presented to the Council in April (C. & D., April 21, p. 301), a request from the Education Committee's chairman that his Committee should be allowed to proceed with drafting new regulations in accordance with the subcommittee's report was refused. Mr. W. J. Tristram (a member of Council) argued that to draft the regulations would not commit the Council; nevertheless the Council demanded time in which to consider the subcommittee's far-reaching and controversial proposals. At the May meeting of Council, discussion of the matter was postponed again; at the June meeting the chairman asked permission to submit a fresh report in the light of suggestions made by the Scottish Department of the Society. At neither meeting, so far as the official record shows, was any mention made of drafting regulations. That is not to say, of course, that the Council has not discussed the matter at the meetings in those months and sanctioned the drafting of regulations; the inadequacy, not to say lack of proportion, of the official record of Council meetings is well known. The Council's deliberations on matters such as the weight of chain that a president should be expected to shoulder are fully reported to the membership but on matters more fundamental and of greater consequence the members are often less well informed.

Two conclusions can be drawn in the present instance, each of them equally serious: (1) The Education Committee may have exceeded its remit (and if it has done so, it will not be the first time, for only in December 1954 the chairman of the Committee was admitting that his Committee had overstepped itself in the matter of the Honorary Fellowship), and if that is the correct conclusion the corollary is that matters that cry out for comment can be rushed through the Council proceedings so hurriedly that even the most vigilant Councillor may fail to notice them; or (2) the Society's membership is being grossly ill-informed about the shaping of policy in the Council chamber.

## United Kingdom Exports in June

UNITED Kingdom exports of drugs, medicines and medicinal preparations in June were valued at almost £3 millions, bringing the total for the first six months of the year to £17.8 millions, against £16.9 millions in the corresponding period of 1955.

India continued to be the best market, making drug purchases valued at £250,412; the value of such goods taken by Australia—now the second largest market—was £197,941. Figures for the first six months show that India has overtaken Australia's lead—gained in the first few months—the totals being India, £1,522,967; Australia, £1,507,957. In the same period exports to Canada and the United States showed a steady im-



provement over the January-June figures for 1955, but exports to South American countries fell, particularly those to the Argentine.

The export-import values of the more important drugs and medicinal preparations are given in the accompanying table. So far as the export side was concerned most items followed the pattern set in previous months, the only noteworthy exception being penicillin, which had its highest total for more than a year. On the import side vitamins were up on previous months but other items in the same category were generally lower in value.

The country's total exports for June were valued at £276.1 millions, bringing the value for the first half of 1956 to £1,591 millions. With re-exports at £12.2 millions, and imports at £339.9 millions, the visible trade deficit in June was about £20 millions more than in May; on the half-year the deficit amounted to £305 millions.

EXPORTS	VALUE £
Drugs, medicines, medicinal preparations (total) ... ..	2,963,961
Vitamins ... ..	214,796
Penicillin salts ... ..	131,830
Penicillin injections ... ..	86,878
Penicillin tablets, ointments, etc. ... ..	50,332
Antibiotics other than penicillin ... ..	310,284
Quinine ... ..	9,646
Alkaloids, excluding quinine ... ..	69,516
Aspirin ... ..	108,618
Antihistamines ... ..	37,668
Antipaludics ... ..	89,398
Barbiturates ... ..	41,491
Liver extracts ... ..	11,255
Ointments and liniments ... ..	126,150
Insulin ... ..	38,599
Sulphonamides ... ..	100,513
Proprietary medicines ... ..	851,970
Unclassified ... ..	657,201
Glycerin ... ..	53,121
Acetone ... ..	66,206
Citric acid ... ..	36,256
Salicylates ... ..	15,701
Perfumery and toilet preparations	
Lipstick, face powder, etc. ... ..	267,550
Dentifrices ... ..	198,571
Toilet soaps ... ..	251,585
Synthetic detergents ... ..	517,526
IMPORTS	VALUE £
Vitamins ... ..	168,904
Antibiotics ... ..	54,506
Alkaloids ... ..	25,707
Proprietary medicines ... ..	56,999
Unclassified medicines ... ..	320,903
Borax ... ..	78,741
Iodine ... ..	5,349
Menthol ... ..	18,726
Essential oils	
Bergamot ... ..	41,674
Citronella ... ..	11,253
Clove ... ..	16,601
Lavender ... ..	6,371
Lemon ... ..	32,022
Orange ... ..	36,744
Peppermint ... ..	28,103
Unclassified ... ..	253,092

## INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

MATRA-MUIR  
S.R. Co. (makers of pessaries)

Boule de Nancy (a current supplier)  
BOXAN MINUS tablets (for slimming)

## Onward from Galen

### A CURRENT CAUSERIE

To some, and especially to those who this year on their holidays have seen little of the sun, it may be a sad thought that autumn will soon have arrived. The fashion shops will then be dressing their windows, we are told, with autumn creations in a new fashionable shade: Ribena red. Chemists may reflect with more than seasonable sadness that the shade and name were inspired by a product that once was sold wholly by pharmacists. In the promotion scheme for Ribena red 35,000 stores and retailers are said to be joining in by dressing their windows with evening gowns, knitwear, hats, gloves, luggage, handbags, etc., all made in the new colour. At a preliminary mannequin parade held recently there were displayed some of the clothes and accessories, and it was noted that "Ribena red" appears in varying shades, or should we say dilutions?

★

ONE of the most versatile scientists of the nineteenth century, and a man of truly encyclopædic knowledge, who wrote on physics, chemistry, pharmacy, therapeutics, dietetics, hygiene, biology, agronomy, and viniculture, Apollinaire Bouchardat was born 150 years ago on July 23, 1806, at l'Isle-sur-le-Serein, Yonne, France. He graduated M.D. Paris in 1832, served as *pharmacien en chef* at the Hôtel Dieu, 1834-55, and in 1852 was appointed professor of hygiene in the university. In 1850 he was elected to the Academy of Medicine, and in 1866 was made president. Bouchardat popularised the use of atropine, digitalin, and iodoform, and wrote papers on the rotatory powers of quinidine, codeine, narceine, papaverine, and picrotoxin, and on the optic properties of salicin, insulin and others. His celebrated *Formulaire* passed through twenty-six editions. Other well-known books of his are *Manuel de Matière médicale, de Thérapeutique et de Pharmacie* (1838), *Éléments de Matière médicale et de Pharmacie* (1839) and *De la Glycosurie ou Diabète sucré* (1875).

### ENOUGH TO TRY THE PATIENCE OF A SAINT



"I've done my shopping—I'll wait!"



## AN ENGLISH PHARMACIST IN CANADA

## 4. Supermarkets and "Loss Leaders"

By HUGH GREEN

TWO things are now an accepted part of Canadian shopping and might well become a part of shopping in Britain. They are the abolition of all forms of price maintenance, and the growth of the "supermarket" self-service store.

*Retail Price Maintenance*

Up to two years ago there was an established form of price maintenance in Canada just as there is at home at present. Then, by legislation, the whole system was scrapped and any form of price maintenance, whether collective or by individual manufacturers, was declared illegal. Surprisingly enough, that did not lead to the beginning of large price-cutting wars on the part of large combines. The growth of price-cutting has been no less disastrous for being insidious. There is no doubt that many smaller businesses were put in desperate straits, though I do not know how many actually closed down. I do know that many have extended their hours of business so that they remain open from 8 in the morning until 10 at night.

The supermarkets took full advantage of the situation that presented itself to them. Their huge capital gave them a wonderful opportunity to obtain a great proportion of the public spending capacity. They established "loss leaders" and brought people into their stores with large-scale advertising in newspapers, on the radio and on television. Some of the articles were, of course, branded goods, so that there could be no question of their being any different in quality. Included among them were baby foods, skim-milk foods, practically all the products of a well known firm of baby-powder manufacturers, all offered to the public at reduced prices. If a new supermarket store were being opened, then the price-cutters would really go to town. For the first week there would be many purchasing schemes afoot. Two tins of baby powder, for example, would be offered for the price of one. Branded tooth-paste would be offered in the same way.

Technically, of course, that cannot be classified as price cutting, because virtually no fixed price exists. All that a manufacturer can do is to issue a "suggested" price list: whether the suggestion is adopted or not is entirely up to the seller. In drug stores the suggested prices are usually maintained and pharmacies generally do not cut prices. That applies both to the independent drug stores and to combines. Of course, even in a supposedly organised profession such as pharmacy, comprising people of above average intelligence, break-away groups form that will not conform with what the profession decides is best for it as a whole. Recently a printed advertisement signed by a group of Montreal pharmacists offered 20 per cent. discount on all drug-store items (except prescriptions) to the employees of Montreal companies. The purchases had to be of the size of \$25 or over. One person collected the whole order from his fellow employees and phoned it through to the syndicate, which then delivered it to the employee for distribution to his fellow workers. That, of course, is blatant price-cutting.

*Back to Where it Started*

What the syndicate ignores is the things that follow. By the next logical step the rest of the drug stores in Montreal follow suit and reduce their prices by 20 per cent. The syndicate is now back to where it started from, except that the profits have been so badly slashed that the loss must be serious. If they cut their prices any more they will cut themselves completely out of business. Meanwhile, pharmacists of that kind will have dragged the whole struc-

ture of pharmacy down. So far, in spite of pressure brought to bear on those pharmacists, they are continuing to carry out their policy. The incident is an isolated one but it does occur. Generally a group of pharmacists in a locality, who find that their trade is being attacked by a supermarket, get together and discuss whether they should or should not reduce the price of some of their articles. If it is generally agreed to do so, then they all reduce the price of the specified articles down to or even below that of the supermarket.

On the face of it that result appears to be just what the Government wants: a reduction in prices. But in fact that does not really happen. First, to compensate for loss of profit on some articles the druggist, to keep himself in business, has had to increase his charges for prescriptions, and for drugs which cannot be obtained in a supermarket, so virtually what the public gains on the roundabouts it loses on the swings. Secondly, and to my way of thinking most importantly, the abolition of all forms of retail price maintenance, which was supposed to have been the end of monopolies, has created the biggest monopoly of all: the supermarket chain store. That, as it becomes the biggest outlet—and perhaps even the only outlet—for goods will be able to dictate its own terms to manufacturer and consumer alike. Those huge interests have the advantages of the protection given by their own vast capital, but the small retailer has been left completely unprotected.

*Part of Canadian Way of Life*

In almost every sizeable community through the fast-growing cities in Canada the supermarket has become an essential part of living. What is it? The supermarket is an enormous store laid out—and this is most important—all on one level. Everything in it is displayed on meticulously presented self-service sections. A comprehensive selection of every type of food from meat to milk, from fresh fruit to beautifully packed and pre-washed vegetables, is at hand. Every brand of tooth-paste and shaving cream, every type of baby food, are there for the taking. Every single item, without exception, is clearly priced. A turnip for instance will have its price marked on its base. There is a most incredible variety of items—side by side, row upon row. A free car park is provided adjacent to the store, a most important factor in this country of the automobile.

The supermarket habit of buying is now an integral part of Canadian shopping. The reason is obvious. If a customer can do all his food and toilet shopping in one store and on one level, and know that, at the same time, most of the articles he buys are a few coppers cheaper, then it becomes quite pointless to go elsewhere. In fact, most Canadians appear to visit their supermarkets once a week, buy all their wants for the ensuing seven days, put the goods in their car, drive home, and put them in their refrigerator.

It is in that habit that the real danger lies. The public develop a supermarket way of shopping which is difficult to break. The stores do all they can to encourage that trend, knowing that once the customers are in they are likely to continue spending there. The busy shopping days are Friday and Saturday, and the supermarkets go all out to get customers in their stores over that week-end period. A great deal of money is spent in advertising. Full pages (more than that, complete supplements) are inserted in the newspapers just prior to each week-end; the offers are so enticing, and on branded goods so genuine, that it is practically impossible to refuse to take advantage of them. Once the customer is in the store the rest is easy.

In case wholesalers are shrugging their shoulders, let me warn them too. The big stores buy direct from the manu-



facturers, and many of the small outlets have had to organise themselves to be able to do the same thing.

In the pharmacy I work in, practically every item, apart from those bought on direct accounts, is bought from the Drug Trading Co., an organisation owned by druggists themselves. So far as manufacturers are concerned the picture is just as unhealthy. They have to have the supermarket as an outlet, and it can practically dictate its own terms of business. By refusing to stock a particular manufacturer's goods the supermarkets can almost force him off the market. Nobody is immune from these vast organisations with their continent-wide ramifications.

I do not think the danger at home is quite as big as it is in Canada. First, the areas that most of these stores take up in floor space is fantastic, and would be quite impracticable at home. Secondly, the average English shopper without a car does not do all the shopping at one period.

### *"Loss Leaders" and N.H.S.*

So far as pure pharmacy at home is concerned, two things have suggested themselves to me. The first is that, under the National Health Service it is not permitted to offer any inducement for a prescription to be brought to any pharmacy or group of pharmacies. Surely the offer of a "loss leader" by any group could be taken to be an inducement. Secondly, and more important, were pharmacists' profits to be reduced to any extent they would not continue to exist as outlets for dispensing. I pointed out before that, under free enterprise, the charges for drugs and prescriptions could be increased. At home the Government would possibly be forced to increase remuneration to pharmacists to prevent a collapse in the Health Services. No doubt in time that extra charge would be passed on to the public. Once more we come back to the old adage of the roundabouts and swings.

It is indisputable that self-service is sweeping this continent. So far as Canadian drug stores are concerned there has been some opposition from several provincial and local pharmaceutical associations. They have claimed that a pharmacist cannot claim the right to exclusive sale of drugs if he adopts the non-drug-retailer attitude to selling. On the other hand, both independent and chain druggists have openly stated that, to compete against supermarkets, they must offer their customers a form of self-service, even though a modified one. There is no doubt that self-service is a boon to the housewife. It is convenient and saves time. She does not have to wait for the attention of busy assistants, but is free to wander about the store at will and select the goods in her own time. There is obviously a great incentive to impulse buying, and if she requires technical advice on any point a pharmacist is always at hand.

The modified form of self-service has been adopted by practically all drug stores, and would be quite easy to institute at home in any pharmacy that had the room and floor space. A basic example is the baby section self-service unit. That is merely an island in the middle of the pharmacy floor. On it are grouped all items that could possibly be required for baby care. The arrangement makes it much easier for the mother to select the items she requires, and more often than not reminds her of some item she would probably have forgotten. Self-service does not apply, of course, to medicines and drugs. Those are still kept behind the counter on shelves.

Pharmacy has had to fall in line with the new development. Prices have had to be reduced where necessary. Large-scale advertising by groups of pharmacies has had to be carried out. It could not have been done individually, and an organisation was formed—an organisation which pharmacists in Britain ought to copy as soon as possible: the Drug Trading Co. of Canada.

Fifty years ago in Canada the large departmental stores were beginning to establish their drug counters. That, of course, was in the days before any form of price maintenance had been organised, and the stores began large-scale advertising of drugs and medicines at low prices. They were able to do so because of the large quantities they purchased,

and for the same reason could buy direct from the manufacturers. It became apparent to the druggists of the day that, in order to survive, they would have to compete against the stores, and to do so would have to buy on equal terms with them. The pharmacist found that, in spite of the greatly superior service he could offer, he could still not compete against cut-rate merchandising and the use of "loss leaders." The Drug Trading Co. was formed for the sole purpose of assisting the druggist to buy on better terms to meet such opposition. The principle still holds good today, and events over the past two years have strengthened the hand of the company considerably. Its slogan is "We stand positively for the protection of retail druggists and exist for no other purpose than their benefit." All the profits made are returned in the form of commissions paid twice a year. The company buys all its goods on most competitive terms direct from the manufacturers, and they are then redistributed to the independent druggists. That means that the druggist can buy practically the whole of his wants from his own wholesale house: all his sundries, such as sunglasses, all his own packed medical goods, his galenicals, and his proprietary medicines. He buys them at the price he would pay if he could order them straight from the maker in vast quantities. One has only to think for a moment what such an organisation could do for pharmacies at home.

### *From Strength to Strength*

As time went on the company went from strength to strength. In 1930 it set up a manufacturing division to produce pharmaceutical products and drugs. Heavy competition was still being carried on by big advertising, and it again became apparent that the druggist must advertise on some sort of scale to compete with the larger stores. As an offshoot of the Drug Trading Co. the Independent Druggists Alliance was formed, known throughout Canada as the I.D.A. The Alliance is a voluntary organisation designed to tell the public the story of the druggist and make people "independent-druggist conscious." The Alliance has its own showcard and display material department. It is responsible for huge newspaper advertising and the distribution of circulars. A more recent step has been advertising on television. Today, Drug Trading Co. has 16,000 members and handles 26 per cent. of the wholesale drug business in Canada. In 1944 its turnover was \$10½ millions, and in 1954 that was almost doubled. In March 1956 it had reached the figure of \$29 millions. The company is the largest cooperative wholesale drug house in North America.

The National Pharmaceutical Union in Britain recently declared its intention to go ahead with a marketing scheme and advisory committee for independent pharmacists. What better could it do than adopt some of the policies of the organisation? I am sure that, if Mr. Noble, its secretary, has not been to Canada, there could be no better investment for proprietor pharmacists at home than to let him come here at their expense to study the extraordinary success of this remarkable company. It could prove to be the most important thing in retail pharmacy for many years.

### *FIFTY YEARS AGO*

## **X-RAYS AS HAIR RESTORER**

*From the C. & D., July 28, 1906*

PROFESSOR Bouchard read at the last meeting of the Academy of Science a curious communication from Professors Humbert and Marquez, of the Montpellier Faculty of Medicine, who have made a speciality of x-ray treatment. One of them, observing that his almost white hair and beard were apparently returning to the pristine colours of his youth, decided to note carefully the effect on others. On a white-moustached patient, who was being treated for lupus, the protective mask was not carefully adjusted. The hairs thus exposed to the direct action of the x-rays fell out but when they grew again they were black. The same effect was noticed on the hair, so that the patient when cured of his lupus presented the appearance of an older or younger man according to the profile exposed to the spectator.



## HOSPITAL PHARMACY FORUM

## PARSIMONY OVER SALARIES

**A**LTHOUGH only a little more than a year has passed since the last Whitley Council agreement for hospital pharmacists, it is already abundantly clear that the salaries then awarded fall far below what is necessary to attract and maintain an adequate staff.

*Effect on Employment*

It is axiomatic that the public service is less remunerative from the point of view of salaries than is the field of private enterprise. That applies in all fields of professional activity. It is reasonable to expect, however, that, in return for the somewhat lower salary, the public servant should gain advantages such as an assured career, security of office and freedom from financial anxiety, so that he is in a position to devote his best energies to the job itself for its own sake. The extent to which the hospital pharmaceutical service has fallen short of that criterion is to be seen in the fact that, almost since the inception of the National Health Service, there has been a deficiency of nearly 30 per cent. of the establishment.

It is true that there has been some expansion of pharmaceutical services and many hospitals which, before the war, were staffed only with unqualified personnel now have pharmaceutical departments of sorts, but it can hardly be a matter for complacency on the part of the Minister that an essential service such as this should be constantly deficient in personnel to the extent indicated. It is estimated that the required number of pharmacists is about 1,300, which is not large in number in comparison with the register of 26,500.

Hospital work in itself is attractive to pharmacists. Given reasonable conditions, it provides ample scope for technical satisfaction; and the opportunity of collaborating with medical staff in the selection and presentation of drugs in treatment is one which many pharmacists should find desirable. The hospital branch should surely be able to hold amongst its members some of the most capable members of the profession. In present conditions, however, it is the more vigorous and enterprising men who have found it necessary to seek employment elsewhere, in order to provide for their families a standard of living appropriate to their calling. The result is that the standard of the service is undergoing constant erosion. We have examples of juniors scarcely out of their studentship applying for, and in some cases obtaining, posts as senior pharmacists and deputy chiefs because they are the only candidates when the posts are advertised. No doubt these young people will in time acquire experience and maturity, but it is not only bad for the service but detrimental to the young pharmacists themselves to enter senior posts too soon.

*A Sorry State of Affairs*

It may be that the Ministry will have to face the prospect of maintaining in the service a generation of persons as Chiefs and Deputy Chiefs who, on personal qualities and in other circumstances, would not have been appointed. As a recent correspondent to *The Times* has pointed out, the cost of correcting this sorry state of affairs is small in comparison with the budget of the Hospital Service. The salaries now being claimed by the staff side of the Whitley Council (see pp. 81 and 85) are, in our opinion, extremely modest and leave little margin for adjustment during the process of negotiation. The parsimony which the Ministry has shown in dealing with pharmacists' salaries is apparent when they are compared with those of Supplies Officers, whose salaries range from £631 to £1,696. So far as we are able to ascertain, these officers have merely taken over and centralised purchasing functions which were formerly dealt with—reasonably adequately—by technical officers such as stewards, en-

gineers, instrument curators, etc. No professional qualifications are required for the post, and many persons holding office were taken over from the former county hospitals and public-assistance institutions.

No doubt the Minister has been fully convinced of the valuable service those officers render, and it is no part of our business to suggest that their salaries are more than they should be. However, it appears not unreasonable to suppose that a Chief Pharmacist of a large hospital carries responsibilities both as an administrator and in his rôle as pharmacist (*sic*) which might be expected to command a salary of a similar order. Lest it should be thought that these remarks are intended to be directed specifically against Supplies Officers, we might mention that Finance Officers' salaries are closely similar in range, and that a deputy secretary to a Board of Governors has a salary range which commences at a figure near to that of the maximum of a pharmacist and goes up to £1,700. It is difficult to fathom why the pharmacist should have been consistently relegated to such an inferior position. The situation should be a matter of concern to the whole profession.

PHARMACEUTICAL SOCIETY  
OF IRELAND

## Monthly Meeting of Council

(Concluded from *THE CHEMIST AND DRUGGIST*, July 21, p. 74)

On consideration of the Health Act Committee's Report, THE PRESIDENT said that his attention had been drawn by members throughout the country to what he might term "irregularities." He believed that those were due to misinterpretations of the Act, and would right themselves in due course. Members who came across instances where the terms of the Act were being exceeded, or where there were abuses, should let him have details so that he might take up the matter later with the appropriate authority.

On the question of post-graduate courses, MR. POWER said the chemists to whom he had spoken all thought that an intensive week's course in rural areas would be more suitable than the extended course held in Dublin. The rural course could be planned so that it could be held in neighbouring districts, and not have the lecturers travelling long distances from one part of the country to another. He proposed at a later stage to submit proposals to the Council for the type of rural course he had in mind.

THE REGISTRAR reported on the deaths of Niall Brendan Beirne, M.P.S.I., and David Joseph Hill, M.P.S.I. The Licence certificates of Misses Mary Doyle, Mary Teresa Kelly, and Rita McFadden were signed and sealed. The following were elected members of the Society: Messrs. Daniel Boylan, Thomas H. Curneen, John Ciaran McGarry, John Bernard Nolan, David J. McMahon, and William Quirke. Miss Frances Kathleen McManus, Killala, Co. Mayo, and Patrick Joseph Fitzmaurice, 131 Galtymore Road, Crumlin, Dublin, were nominated for membership.

On consideration of the Benevolent Fund Committee's Report a number of grants were passed for payment. MR. KENNELLY said that on going over the list of subscriptions recently published he was surprised to find his own name missing, and then discovered that he had in fact forgotten to send on his subscription, an omission he intended to rectify without delay. His object in mentioning the matter was to indicate how easily one might forget, and in that way fail to support a very deserving cause.

The following changes of address were notified:—

Patrick Joseph Fitzmaurice, L.P.S.I., to 131 Galtymore Road, Crumlin, Dublin; David James McMahon, M.P.S.I., to Lixnaw, co. Kerry; and Mrs. Josephine Crilly, M.P.S.I., to 3 Trees Road, Mount Merrion, Dublin.



# PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

## Monthly meeting of Council

At a meeting of the Council of the Pharmaceutical Society of Northern Ireland in Belfast on July 20, Mr. S. E. Campbell (president) was welcomed on his return to the chair after a recent illness. The Council agreed to restore to the Register the name of Joseph George Whitten Robb, Armagh Road, Newry.

THE SECRETARY (Mr. William Gorman) reported receiving a letter from Dr. Harold Gray (treasurer, Northern Ireland Branch, British Medical Association), thanking the Council for its hospitality in allowing the Association the use of rooms for meetings and enclosing a cheque for £52 10s. towards the Northern Ireland Chemists' Benevolent Fund. Mr. Gorman said he had already written to the Association expressing thanks for their generous gift.

### *Higher Subscription for I.P.F.*

A letter was tabled from the International Pharmaceutical Federation recalling that, in December 1954, the Federation had inquired from its ordinary members if they would be inclined to increase their fees for membership. In view of the favourable replies the General Assembly decided in December 1955 to increase the fees of ordinary members by the factor 3.5 in order that the financial situation might be improved. MR. GORMAN said that when the Northern Ireland Society became associated with the Federation, the Council had placed a £10 subscription limit, and if it was desired to increase the subscription that resolution would have to be amended. On the motion of MR. H. W. GAMBLE, O.B.E., seconded by MR. P. R. W. SHINNER, it was agreed to increase the Society's subscription from £10 to £35 a year.

The vice-president (Mr. C. A. Quinn), in a letter to the Council, tendered his resignation from office and membership of the Council. He said that he had found it increasingly difficult to fulfil his duties and at the same time adequately to supervise his pharmacy. He regretted the step, as his association with the Council had been happy, and thanked the members for their kindness and courtesy. MR. GORMAN said that he had also received letters from Mr. Quinn resigning from the membership of the Statutory Committee and the Poisons Board for Northern Ireland. MR. W. H. BOYD said Mr. Quinn's intentions came as a shock, as they were all looking forward to seeing him installed as president of the Society. He thought that they might postpone the matter to enable some of the members to meet Mr. Quinn and discuss the situation. Mr. Campbell said he still hoped to be able to pass on his office to Mr. Quinn in October, and he knew that he would make an excellent president. MR. GAMBLE thought that the difficulty was the holding of the Council meetings in the afternoon. With the introduction of the new regulations they would soon be looking for new members of the Council. The Council was being expanded in number, and would have to decide whether meetings should be held in the afternoons or evening. It was a general problem—other members often found difficulty in getting to the afternoon meetings. If they did not face up to the possibility of evening meetings the membership of the Council would be limited to men who had qualified assistants, and who might not necessarily be the best types for Council membership. MR. H. F. MOORE agreed that the time was opportune for the holding of evening meetings. Every attempt should be made to retain the services of Mr. Quinn, who had served the Council excellently and would be difficult to replace. MR. BOYD said that evening meetings were the answer to the whole problem. In holding later meetings they would be assisting provincial members, who found the afternoon meeting difficult and at times impossible to attend. He thought that, if they were to consider a change in the timing of the meeting, Mr.

Quinn might possibly reconsider his decision. MR. GAMBLE suggested that, as Friday was usually a busy day for pharmacists, the Council might consider changing to another day—perhaps Thursday. MR. BOYD said that that would probably be a more suitable day for country pharmacists, many of whom would be on half-holiday. He suggested that, with the forthcoming expansion of Council membership, a decision on evening meetings taken now would enable persons who would not otherwise allow their names to go forward to be nominated. On the proposition of MR. GAMBLE, seconded by MR. MCILHAGGER, it was agreed to hold the September 20 meeting at 7.30 p.m. It was also agreed that a deputation should call on Mr. Quinn to discuss the situation.

The report of the finance committee was adopted on the motion of MR. MCILHAGGER, seconded by MR. F. R. MOORE.

The board of examiners reported that, in the June examinations, eighty-five candidates had entered for the Final Part II Qualifying examination. Twenty-six had passed, forty-one had failed; eight had been referred in pharmaceuticals, three in pharmacognosy, one in chemistry and six in forensic pharmacy. In Part I there had been eighty-six candidates, three of whom had been absent, thirty-eight had passed, eighteen failed, fifteen had been referred in biology, ten in chemistry and two in physics. MR. GORMAN said that there was a recommendation from the board of examiners that, in Part I three candidates should do a full-time course in all subjects. Five candidates had been recommended to do a revision course in physics and chemistry, and two others a revision course in physics only. Of certain candidates taking the examination for the third time one had been recommended to do a complete course of study before making one final attempt; four others had been urged to make a fourth attempt to do chemistry only; and two others a fourth attempt at biology. The recommendations of the board were adopted on the motion of MR. BOYD, seconded by MR. MCILHAGGER.

THE PRESIDENT said that Mr. A. E. Dickson, M.P.S.I., Londonderry, had offered the Society a carboy on a pedestal, and he suggested that the gift might be accepted and displayed in the Society's house. It was agreed to accept the offer and Mr. Gorman was instructed to thank Mr. Dickson.

### BRITISH FINE CHEMICALS AND THEIR USES

#### 60. SALICYLIC ACID

SALICYLIC acid, B.P., is supplied as both crystals and powder; in physiologically pure grade; and the more expensive natural product obtained from oil of wintergreen.

The method of production is by treatment of phenol and sodium hydroxide in autoclaves under pressure, in presence of carbon dioxide: from the sodium salt formed the acid is recovered. It is also manufactured by parallel treatment of phenol with potassium carbonate; from salicylic; from coumarin; and by a number of other processes. It exists in nature in parts of plants, either free or as methyl ester. Its present main use, which is believed to consume about 65 per cent. of production, is in the manufacture of aspirin. The medicinal uses of salicylic acid are both considerable and well known. As a preservative for food-stuffs it appears to have been widely used, but its preservative uses have become the subject of close examination by the authorities. In recent years the acid has entered into synthetic rubber manufacture as a coagulant, and it is used in a number of processes in the manufacture of butalastic polymers, as well as to prevent "precuring" in other rubber compounds.

Apart from its use in perfume manufacture, it has also been utilised as an adulterant (in lavender oil, etc.). The commercial grade (yellowish-white crystals) is liable to contain phenol and *p*-hydroxybenzoic acid.



# The food that has *everything*



## COMPLAN FORMULA

Nutrients	Per 100 GM.	Nutrients	Per 100 GM.
Protein	31 gm.	Riboflavine	1.1 mg.
Fat	16 gm.	Nicotinic Acid	7.7 mg.
Carbohydrate	44 gm.	Pantothenic Acid	3.0 mg.
Calcium	825 mg.	Choline	74.0 mg.
Phosphorus	780 mg.	Pyridoxine (B <sub>6</sub> )	0.4 mg.
Sodium	400 mg.	Vitamin B <sub>12</sub>	2.2 µg.
Chloride (as Cl)	740 mg.	Vitamin C	10.0 mg.
Potassium	1,100 mg.	Vitamin D	220 units
Iron	8 mg.	Vitamin E	5.3 mg.
Vitamin A	1,100 units	(acetate)	
Vitamin B <sub>1</sub>	1.2 mg.	Vitamin K	1.1 mg.
Plus trace requirements		Calorific Value 450	



Complan contains every nutrient essential to health, nothing has been forgotten . . . Complan is complete. It can supply the total daily food needs of all who cannot eat a normal diet, and provides a valuable comprehensive supplement to those needing extra nourishment.

As you can see, over-the-counter sales scope for Complan is immense. The elderly, the expectant mother, the convalescent, the invalid, those who must restrict their food intake, and even those who skimp on meals through haste or economic reasons—all will benefit from Complan. Moreover, Complan is easily digested, well tolerated,

as simple to make as a cup of cocoa—and it really tastes good.

Complan is being detailed to doctors, nurses, midwives, health visitors—all directly concerned with nutrition. It is being widely used in hospitals, both as a tube feed to supply total dietary needs, and by cup as a high protein-vitamin-mineral supplement. All report favourably on its nutritional effects—sometimes dramatic, its valuable time-saving features and what is more, its ready acceptance by patients. Truly Complan is a food that has everything for some and something for everyone.

*In 1-lb cartons, face price 4/2d; trade price 40/- a dozen*

*Crowner and counter leaflets available on request*

# Complan

TRADE MARK

THE COMPREHENSIVE FOOD

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRON 3434



# Lederle is saying

ANTHONY M. GENTILE

BRITISH MEDICAL JOURNAL

1956. 11. 1956.

**Speedy recovery**

In difficult situations, successful recovery depends largely on the countermeasures adopted. This is particularly so in dealing with many of the skin infections met with at this time of the year. ACHROMYCIN tetracycline is acknowledged to possess outstanding merits in controlling pyogenic infections of the skin and for the prevention of infection in wounds and abrasions. To the doctor it offers unsurpassed scope in antibiotic therapy of the skin... to the patient it promises assurance of speedy, uneventful recovery.

**ACHROMYCIN<sup>®</sup> OINTMENT**  
TETRACYCLINE  
combats the infection... hastens the recovery

Achromycin is also available as: CAPSULES • EAR SOLUTION • INTRAMUSCULAR • INTRA-  
VENOUS • OPHTHALMIC POWDER STERILIZED  
OPHTHALMIC OINTMENT • ORAL SUSPENSION  
PEDIATRIC DROPS • SOLUBLE TABLETS • SPER-  
SOLDS\* Dispensable Powder SYRUP • TABLETS  
TROCHES \*Regd. Trade Mark



**LEDERLE LABORATORIES DIVISION**  
Cyanamid PRODUCTS LTD. LONDON, W.C.2

Lederle products are consistently being promoted to doctors in medical journals throughout the world. The above advertisement is currently appearing in leading British medical journals. Literature on the products referred to is available to pharmacists on request.



## TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, JULY 25: Despite lack of orders and general inquiry, the prices of most CRUDE DRUGS held firm during the week and some were even increased.

Spot supplies of CASCARA SAGRADA 1955 peel were marked up by 15s. per cwt. but the higher rate still compared favourably with new-crop quotations. Among SPICES, Ceylon CINNAMON quills were threepence per lb. dearer for shipment; PEPPER was slightly easier, and TURMERIC was lower by 2s. 6d. per cwt. Most types of BEESWAX were dearer on the spot as well as for shipment; CANDELLILLA was also firmer, with only small lots available on the spot. A report that Russia would not be supplying LIQUORICE ROOT for some time gave strength to the price of Persian material which, with Chinese, are now the only two varieties quoted on the spot. Ceylon was unable to offer ARECA NUTS for shipment, meanwhile, there are only small lots of wormy material available on the spot.

GENTIAN is no longer obtainable on the spot, and the few offers received from France were as high as 170s. to 175s. per cwt. BELLADONNA LEAVES are again offered on the spot. Shippers of Portuguese ERGOT were offering supplies at considerably lower prices than recently; prompt shipment was at 5s. 10d. per lb. and August shipment, 5s. 6d. or more than one shilling under those a week ago and about half the rate for July 1955.

Among PHARMACEUTICAL CHEMICALS, manufacturers of POTASSIUM and SODIUM ACETATES have increased their prices by twopence per lb. LACTIC ACID was also marked up by threepence per lb. Importers of CRUDE IODINE brought their price in line with the selling price in the United States and at 22s. 4d. per kilo; it represents a reduction of sixpence per kilo.

In ESSENTIAL OILS the price of LIME continues to rise. The United States is reported to have purchased large quantities of that oil in Mexico and there is not any surplus left to compete with the West Indian. Furthermore, there is the heavier duty which was recently imposed by the United Kingdom on imports of foreign lime oil. BAY was sixpence and PATCHOULI 2s. per lb. lower for spot supplies. For shipment, Ceylon CITRONELLA advanced threepence per lb. whilst Formosan declined by the same amount; LEMON-GRASS was quoted fivepence per lb. lower for shipment.

### Pharmaceutical Chemicals

ACETIC ACID. — B.P. glacial in 10-ton lots is £97 per ton naked and technical, 91. Carboys are £8 and demijohns £10 per ton extra.

AMIDOL. — Quotations for 1-cwt. lots are 20s. per lb.

AMIDOPYRIN. — Minimum price (5-cwt. lots) is 22s. 8½d. per lb., with usual differential for smaller lots.

AMPHETAMINE. — BASE is now 170s. per cilo for 5-kilo lots and 180s. for 1-kilo; SULPHATE is 140s. to 150s. and *d*-AMPHETAMINE SULPHATE, 450s. to 455s. for similar quantities.

ANTIMONY SALTS. — Quotations for POTASSIUM TARTRATE, B.P., are 7s. 6d. per lb. for 1-10 cwt. and SODIUM TARTRATE, B.P., 13s. 3d.

ASPIRIN. — Prices are as follows: — 5-cwt. lots, 4s. 7d. per lb.; 1-cwt., 4s. 7½d.; 28-lb. and under 1-cwt., 5s. 5d. Smaller lots from 5s. 7½d. to 6s. 2½d., as to quantity and package.

BARIUM SULPHATE. — 1-cwt. lots of B.P. (x-ray) are now 1s. 6½d. per lb. and 5-cwt., 1s. 5½d. per lb.

BENZAMINE. — In 16-oz. lots LACTATE is 15s. 3d. per oz. and HYDROCHLORIDE, 16s. 3d. per oz.

BENZOCALINE. — Minimum price for B.P. is 20s. 6d. per lb.

CHLORAL HYDRATE. — In 1-cwt. lots the price is about 3s. 10d. per lb. as to holder.

CHLOROCRESOL. — Pharmaceutical quality is quoted at 6s. 7d. per lb. for 1-cwt. lots.

CINCHOPHEN. — 1-cwt. lots are quoted at 21s. per lb.

CRESOL. — Price of B.P. quality from distillers is 7s. 9d. per gall. in 5-gall. lots.

EMETINE. — Price for 32-oz. lots of the HYDROCHLORIDE is 250s. per oz. The BISMUTH IODIDE is 125s. per oz.

ERGOMETRINE. — For 20-gm. lots the price of the MALEATE, B.P. is £21 10s. per gm., and the TARTRATE, £20 per gm.

GALLIC ACID. — B.P.C. is 8s. 7d. per lb. for 1-cwt. lots.

HYDROGEN PEROXIDE. — Carboy lots of 20 vols. are 5s. per gall. The 35 per cent. (by weight) is 158s. per cwt. in 1-cwt. carboys.

HYPOPHOSPHITES. — Prices per lb. are as follows: —

SALT	7 lb.		28 lb.		1 cwt.	
	s.	d.	s.	d.	s.	d.
CALCIUM	6	4	5	11	5	6
IRON	13	3	12	9	12	3
MAGNESIUM	10	4	9	11	9	6
MANGANESE	13	6	13	0	12	6
POTASSIUM	8	7	8	2	7	9
SODIUM	7	1	6	8	6	3

IODINE. — Resublimed is 17s. 1d. per lb. in 1-cwt. lots. Minimum delivered rate for CRUDE is lower at 22s. 4d. per kilo.

LACTATES. — CALCIUM, B.P., is 2s. 9d. per lb. in 5-cwt. lots and 2s. 10d. in 1-cwt. lots; CALCIUM SODIUM for similar quantities is 4s. 5d. and 4s. 6d. per lb.; and SODIUM, B.P. 1932, from 2s. 10d. to 3s. 7d. as to quantity.

LACTIC ACID. — Dearer. B.P. is 4s. 3d. per lb. for 12-winchester lots and 3s. 10d. for 5-cwt. lots.

MAGNESIUM CARBONATE. — Minimum bulk rate for LIGHT is 121s. per cwt.; HEAVY is 160s. per cwt. for 5-cwt. lots and about 135s. per cwt. for 1-ton lots, delivered U.K.

MAGNESIUM SULPHATE. — Quotations for B.P. in minimum 1-ton lots vary between £17 10s. and £20 per ton according to size of crystal and manufacturer. Exsiccated is £37 2s. 6d. per ton. All ex works.

MAGNESIUM TRISILICATE. — In 28-lb. packages the prices (per lb.) are now as follows: — 28-lb., 4s. 9½d.; 1-cwt., 3s. 10d.; 5-cwt., 3s. 7d.; 1-ton, 3s. 1d.

METOL. — In 1-cwt. lots the price is 24s. 6d. per lb.; 28-lb., 25s. 6d.; 14-lb., 27s.; 7-lb., 28s.

OXALIC ACID. — Manufacturers' rates for 1-ton lots are from £129 per ton, delivered.

PARALDEHYDE. — In 40-gall. drum lots the stabilised is 153s. per cwt. and the technical, 126s.

PHENACETIN. — In 5-cwt. lots makers' price is now 6s. 8d. per lb., 1-cwt., 6s. 9d.

PHENOLPHTHALEIN. — Rate for 1-cwt. lots is 11s. per lb.

POTASSIUM ACETATE. — B.P. is 2s. 10d. per lb. in 1-cwt. lots.

POTASSIUM HYDROXIDE. — B.P. sticks are from 6s. 6d. per lb.; technical, flake, 1s. 4d.

SODIUM ACETATE. — B.P.C. in 28-lb. lots is 2s. 1½d. per lb.; 1-cwt., 1s. 10d. per lb.

### Industrial Chemicals

ACETALDEHYDE. — The 100 per cent. is 140s. per cwt. for drum lots and the 40 per cent., 149s.

ACETATES. — Prices (per cwt.) for drum lots are as follows: — AMYL (technical), 250s. and B.S.S., 252s. BUTYL (B.S. 551; 1950), 171s.; ETHYL (B.S. 553; 1950), 141s.; ISOPROPYL, 140s.

ACETONE. — Drum lots are quoted at £90 per ton.

BENZOLE. — Thiophene-free is from 9s. 0½d. per gall. for one 50-gall. barrel and pure, 6s. 0½d. per gall. for similar lots.

N-BUTYL ALCOHOL. — 2-ton lots are quoted at £159 per ton and one-drum lots at £163 per ton. Secondary is £135 and £139. All in one delivery.

CARBON TETRACHLORIDE, B.P. — 1-2 carboy lots are £124 per ton. TECHNICAL, in 40-gall. drums, in less than 1-ton lots, is £81 per ton; 1 ton and under 2 tons, £79 10s.; 2 tons and under 4 tons, £79; 4 tons and upwards, £78.

DIMETHYL ACETATE. — Drum lots are quoted at 163s. per cwt.

ISOPROPYL ALCOHOL. — Standard grade is £80 10s. per ton (5s. 7½d. per gall.) in 10-ton lots. Essence grade is from 16s. 3d. to 19s. per gall., as to quantity.

METHYL ETHYL KETONE. — One-ton lots are quoted at £135 per ton.

METHYL ISOBUTYL CARBINOL. — Minimum price (10-ton lots in one delivery) is £135 per ton.

METHYL ISOBUTYL KETONE. — One-ton lots are £161 per ton with usual differentials for smaller quantities.

NAPHTHALENE. — Home market prices (per ton for 4-ton lots at one time) are as follows: — CRUDE WHIZZED, c.p. 74-77.5° C., £25 to £30 10s., according to the crystallising point, ex works; HOT-PRESSED, minimum c.p. 77-6° C., £41 12s. 6d. ex makers' works; CRYSTALS, from £60 10s. to £63, delivered; BALL and FLAKE, £69 to £71 10s., delivered. The approximate export prices (f.o.b.) for 25-ton lots are from £42 to £46 for the crude whizzed; £50 to £52 for hot-pressed, while crystals are £67 10s. and ball and flake both £76 per ton, including bags.

PHTHALATES. — Prices (per lb.) for drum lots are as follows: — DIAMYL, 3s. 3d.; DIBUTYL, 2s. 1½d.; DI-ISOBUTYL, 1s. 11d.; DIETHYL (normal grade), 2s. 1d.; (perfumery grade), 2s. 6½d.; DIMETHYL, 1s. 10½d.

STEARATES. — Prices for minimum 1-ton lots are now as follows: — ALUMINIUM (all grades), 250s. 6d. per cwt.; CALCIUM (precipitated), 228s. 10d.; LEAD (30 per cent.), 232s. 6d.; MAGNESIUM (standard), 262s. and (superfine), 292s.; ZINC, B.P., 283s.

TITANIUM DIOXIDE. — Anatase is now £154 per ton and rutile from £164 to £172 as to grade.



## Crude Drugs

**ANISEED (STAR).**—Chinese is offered at 127s. 6d. per cwt., in bond, and 120s., c.i.f., for shipment.

**ARECA NUTS.**—Supplies exhausted at origin. Spot about 55s. per cwt., as to quality.

**BALSAMS.**—Quotations (per lb.) are:—**CANADA.** Offers difficult to get from origin; spot, nominally 22s. 6d. **COPAIBA**, soluble, 8s. to 10s., duty paid. **PERU**, short at origin; spot, 9s. 3d., in bond. **TOLU** (genuine as imported) is 27s. 6d.; B.P. is 17s. 6d., spot.

**BELLADONNA.**—**LEAVES** are 2s. 6d. per lb. on the spot and c.i.f. **Root**, 1s. 10d.

**BISMUTH METAL.**—Minimum rate is 16s. per lb.

**BUCHU.**—Spot supplies are from 7s. to 7s. 3d. per lb.

**CASCARA SAGRADA.**—American 1955 peel is offered at 275s. per cwt., duty paid. New-crop for July-August shipment, 237s. 6d., c.i.f.

**CASCARILLA.**—Spot, siftings are 1s. 4d. per lb.; quills unobtainable. Not quoted for shipment.

**CASSIA BARK.**—Whole on the spot is about 85s. per cwt., in bond and for forward delivery, 75s., c.i.f. Broken 75s., in bond, and 63s., c.i.f.

**CHAMOMILE.**—Belgian flowers are 5s. 3d. per lb. on the spot.

**CINNAMON.**—Ceylon for shipment (c.i.f.) per lb., OOOO, 7s. 5d.; OOO, 7s. 3d.; OO, 7s. 1d.; O, 6s. 11d.; firsts, 6s. 1d.; quillings, 3s. 8½d.; chips, 10½d. to 11½d.

**CLOVES.**—Zanzibar on the spot are now quoted at 3s. 3d. per lb.; prompt shipment, 3s. 2½d., c.i.f. Madagascar, 2s. 8½d., c.i.f.

**COCHINEAL.**—Black-brilliant is 27s. per lb. on the spot; grey-black, 17s. 6d.; silver-grey, 16s. 6d.

**COCILLANA.**—Bark is 2s. 6d. per lb. on the spot.

**ERGOT.**—Portuguese is 5s. 10d. per lb., c.i.f., for prompt shipment; East European, 4s., c.i.f.

**GENTIAN.**—Scarce on the spot; high quotations for shipment.

**GINGER.**—African on the spot is 260s. per cwt., with July-August shipment at 232s. 6d., c.i.f. Jamaican No. 3 for July-August shipment; 515s., c.i.f., spot, No. 3, 600s.

**GUM ACACIA.**—Kordofan cleaned sorts on the spot are 140s. per cwt.; afloat, 129s., c.i.f., and shipment, 128s., c.i.f.

**HENNA.**—Indian is 70s. per cwt. on the spot. New-crop Bombay green, 62s. 6d. per cwt., c.i.f., quoted.

**HONEY.**—Australian light-amber is 145s. and medium-amber, 140s.; Argentine, 145s.; Jamaican, 145s. to 150s., all per cwt., on the spot.

**IPECACUANHA.**—Quiet. Colombian, 42s. 6d., spot, and 40s., c.i.f. Matto Grosso, 42s., spot, and 39s., c.i.f. Nicaraguan, afloat is quoted at 56s. 6d. per lb., c.i.f.; shipment, 55s., c.i.f., nominal.

**KARAYA.**—No. 1 gum on the spot is now quoted at 295s. per cwt., and No. 2 at 245s.

**LANOLIN.**—In 1-ton lots the price of ANHYDROUS, B.P., is from 160s. to 165s. per cwt.; 5-cwt. lots from 162s. to 167s. per cwt. HYDROUS, B.P., is from 140s. to 142s. for similar quantities. All in drums, carriage paid, U.K.

**LIQUORICE.**—Natural root: Quotations for Anatolian and Russian have been withdrawn; Persian, 37s. 6d. Chinese, 42s. 6d. per cwt. Black juice is 200s. per cwt. for the Anatolian and 185s. for Chinese and British on the spot. Italian stick from 310s. to 475s. per cwt., duty paid.

**LOBELIA HERB.**—Spot material is 11s. to 11s. 6d. per lb. August-September shipment, 10s. 6d., landed.

**LYCOPodium.**—Supplies of Russian triple-sifted are 7s. 3d. per lb. in bond.

**MACE.**—Whole on the spot is 23s. per lb.

**MENTHOL.**—Chinese, 48s. per lb. in bond (51s., duty paid). August-September shipment, 45s., c.i.f. Brazilian, 40s. 6d. in bond; 41s., c.i.f.

**PEPPER.**—Slightly easier. White Sarawak is now quoted on spot at 2s. 5½d. per lb., with July-August shipment at 2s. 3½d., c.i.f. Black Sarawak is scarce on the spot at 1s. 11d., nominal, per lb.; July-August shipment, 1s. 7½d., c.i.f. Black Malabar, 270s. per cwt. on the spot; July-August shipment, 232s. 6d., c.i.f.

**PIMENTO.**—Spot is 570s. per cwt. with forward at 520s., f.o.b.

**PODOPHYLLUM.**—*Emodi* is quoted at 150s. per cwt. ex wharf. Indication for new-crop *Peltatum*, 475s., landed.

**PSYLLIUM.**—Indian seeds are quoted at 1s. 1d. per lb. on the spot.

**QUASSIA.**—Chips are 42s. 6d. per cwt. on the spot.

**QUILLAIA.**—Spot offers of bark are about 225s. per cwt. with shipment, 185s., c.i.f.

**RAUWOLFIA.**—*Serpentina* is offered from 4s. 3d. to 4s. 9d., landed terms, as to origin. *Vomitoria* is 2s. 6d., landed.

**RHUBARB.**—Quotations for Chinese are from 6s. 6d. to 10s. 6d. per lb., as to quality.

**SAFFRON.**—Mancha superior on the spot is nominally 265s. per lb. Forward position dearer.

**SARSAPARILLA.**—Jamaican native red on the spot is 3s. 4d. per lb., and for shipment, 3s., c.i.f.

**SEEDS.**—(Per cwt.). **ANISE.**—Tunisian, 215s., in bond; Spanish, 250s., duty paid. **CARAWAY.**—Dutch, 127s. 6d., duty paid.

**CELERY.**—Indian, 140s., spot. **CORIANDER.**—Spot, Moroccan, 95s., duty paid; Rumanian or Danubian, 62s. 6d.; and Bulgarian smalls, 52s. 6d., all duty paid.

**CUMIN.**—Cyprian, 130s.; Moroccan, 135s., duty paid; Iranian, 125s., duty paid. **DILL.**—Indian offered at 65s. on spot. **FENNEL.**—Indian quoted at 95s., spot. **FENUGREEK.**—Spot, Indian, 67s. 6d. to 70s.; Moroccan, 67s. 6d., duty paid. **MUSTARD.**—English, 65s. to 80s., according to quality.

**SENEGA.**—Spot is 17s. 6d. per lb. Shipment, new-crop, 17s., c.i.f., quoted.

**SERPENTARIA.**—Offers for shipment are quoted at 40s. per lb., landed terms.

**SHELLAC.**—F.O.T.N., 300s. per cwt.; F.O. No. 1, 335s.; fine orange, 360s. to 405s.

**STRAMONIUM.**—Indian LEAVES are 70s. per cwt. and European 80s. on the spot.

**TURMERIC.**—Madras finger on the spot is 90s. per cwt. with July-August shipment quoted at 77s. 6d., c.i.f.

**VALERIAN ROOT.**—Indian on the spot is 140s. per cwt. Dutch, 182s., c.i.f.

**VANILLIN.**—Rates (per lb.) are now:—5-cwt. lots, 27s. 6d.; 1-cwt., 27s. 9d.; 56-lb., 28s.; smaller quantities, 28s. 3d.

**WAXES.**—**BEES'**—Dar-es-Salaam, shipment, 565s. nominal, c.i.f., spot, 570s.; Sudanese, 555s. duty paid, and 480s., c.i.f.; Abyssinian, spot 570s., duty paid, shipment, 490s., c.i.f. **CANDELLILA.**—Shipment, 540s. per cwt. landed; spot is 550s. **CARNAUBA.**—Fatty grey, spot, 600s. per cwt.; for shipment, 585s., c.i.f. Prime yellow, spot, 1,140s.; shipment, 1,100s., c.i.f. (per cwt.).

**WITCH HAZEL LEAVES.**—Spot supplies are 2s. 3d. per lb.; July shipment, 2s. 1d., c.i.f.

## Essential and Expressed Oils

**ANISE.**—Chinese, 14s. 6d. per lb., spot; 13s. 7½d., c.i.f.

**BAY.**—West Indian is 10s. 6d. per lb. on the spot.

**BERGAMOT.**—Spot quotations are now 65s. per lb.

**BIRCH TAR.**—Rectified is about 14s. per lb. in 1-cwt. lots.

**BOIS DE ROSE.**—Brazilian is 26s. per lb. on the spot and 23s. 6d., c.i.f.

**CADE.**—Spanish is 3s. 9d. per lb. for drum lots.

**CAMPHOR, WHITE.**—Chinese is 2s. 1d. per lb., duty paid.

**CANANGA.**—Spot is from 56s. to 62s. lb.

**CARAWAY.**—English-distilled is offered at 55s. and imported from 33s. per lb., duty paid.

**CARDAMOM.**—Price per lb. is from 360s. for English distilled and from 265s. to 295s. for imported.

**CITRONELLA.**—Ceylon, 6s. 9d. per lb., spot; shipment, 5s. 9d., c.i.f. Formosa spot, 10s., in bond; shipment, July-August, 7s. 1½d., c.i.f.

**CLOVE.**—Madagascar leaf is 9s. 3d. per lb., duty paid and 8s., c.i.f., for shipment. Rectified 87-88 per cent., 12s.; distilled bud oil, English, from 35s.; imported, 17s. 6d.

**COD-LIVER.**—B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary, is from 9s. 6d. per gall.

**LEMONGRASS.**—Spot is 13s. per lb.; shipment, 9s. 1d. to 9s. 4½d., c.i.f., as to position.

**LEMON.**—Prices of B.P. oil (4 per cent. citral) vary greatly on the spot according to quality and range between 25s. and 40s. per lb. Californian, 28s. 6d. to 36s. 4d., c.i.f., as to quality, subject to licence.

**LIME.**—Supplies of West Indian distilled are offered from 35s. to 36s. per lb. on the spot.

**ORANGE.**—Spot quotations of sweet oil are from 4s. 6d. to 5s. 9d. per lb. For shipment, proprietary brand Californian sweet is 6s. 1½d., c.i.f., and cold-pressed, U.S.P., 9s. 4d., c.i.f. Terpeneless is 200s. per lb., spot. Bitter orange oil is 20s. per lb.

**PATCHOULI.**—Penang is 38s., duty paid, and 32s., c.i.f.

**PEPPERMINT.**—*Arvensis*: Chinese is 31s. per lb. on the spot and 29s., c.i.f. Brazilian, 23s. 9d., spot, and 21s. 9d., c.i.f. Italian "Mitcham"-type oil is 56s. to 65s. spot, as to make. American, 42s. 6d. to 47s. 6d. English Mitcham, 190s. to 200s.

**PETITGRAIN.**—Paraguay, spot, 24s. 6d. to 25s. 6d. per lb., as to brand.

**PIMENTO.**—English-distilled berry is 165s. per lb.

## UNITED STATES REPORT

**NEW YORK, JULY 24:** In addition to a steel strike, the chemical industry was hit by two new strikes which stopped production of about 25 per cent. of the country's caustic soda supply. **RESER** PINE was reduced 25 cents per gm. to \$4.75. Also lower was home produced **TERPIN HYDRATE**, N.F., at 70 cents per lb. (down 14 cents) due chiefly to low priced German imports. Higher per lb. among **CRUDE DRUGS** were natural thick **CHERRY BARK** at 20 cents (up two cents) and **TOLU BALSAM**, \$5.00 (up 6 cents). **GUM ACACIA** was lower at 18 cents a lb. (down 1½ cents). Higher per lb. among **ESSENTIAL OILS** were **Dalmatian SAGE** at \$4.30 (up five cents), and **SPIKE LAVENDER** oil \$1.90 (five cents).



# TRADE MARKS

## APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," July 4

For plastics in the form of powders, pellets and granulates for industrial use (1)

KRALASTIC, 750,956, by United States Rubber Co., New York, U.S.A.

For chemical products, for use in preserving fodder crops (1)

OVERSIL, PHOSSILAN, 752,471-72, by Naamlose Vennootschap Maatschappij Tot Exploiteren van Octrooien en Licenties Matepa, Netherlands.

For photographic chemicals (1)

MAGNOL, 753,025, by Johnsons of Hendon, Ltd., London, N.W.4.

For shampoos for the hair for export except to the Channel Islands (3)

Device with words VASELINE WONDER-FOAM SHAMPOO, 750,922, by Chesebrough-Pond's Inc., New York, U.S.A.

For perfumes and cosmetic preparations (not being toilet preparations) (3)

CHIP, 750,057, by C. H. Boehringer Sohn, Ingelheim-on-Rhine, Germany.

For all goods (3)

WHITE MAGIC, 751,154, by Opera Omnia, Ltd., London, S.E.11. Device with the wording TEXAGLANZ, 751,626, by Rohm & Haas G.m.b.H., Darmstadt, Germany.

For preparations for the hair (3)

MOONBEAM, MOONSHINE, 751,455-56, by Boots Pure Drug Co., Ltd., Nottingham.

For cosmetic preparations for the lips (3)

LIPLURE, B751,647, by Eylure, Ltd., Welwyn Garden City, Herts.

For dentifrices (3)

LOLLIPOP, 752,275, by Castle Soaps of Cambridge, Ltd. (also trading as Cullford of Chelsea), Kirkby, nr. Liverpool.

For perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles, sachets for use in waving the hair, soaps and essential oils (3)

PLASTINET, 752,681, by Osborne, Garrett & Co., Ltd., London, W.1.

For all goods (5)

TERSOVIN, 736,080, NISENTOL, 745,497, by Roche Products, Ltd., Welwyn Garden City, Herts. DELTESELAN, 750,739, by Glaxo Laboratories, Ltd., Greenford, Middlesex. MERFODEX, 751,324, by The Wellcome Foundation, Ltd., London, N.W.1. CHYMAR, 751,379, by Armour & Co., Chicago, U.S.A. COLLOZETS, 752,332, by The Crookes Laboratories, Ltd., London, N.W.10. STREDIN, 753,236, THREPSIN, 753,239, by Bayer Products, Ltd., Kingston-on-Thames, Surrey.

For bactericidal and sterilising preparations which possess cleansing properties (5)

HYTOX, 740,887, by Domestos, Ltd., Newcastle-on-Tyne.

For medicated tea made from herbs; medicated skin ointments; and pharmaceutical preparations of sarsaparilla and seaweed for treating disorders of the blood (5)

Device with wording BUCHANAN'S, 737,462, by Potter & Clarke, Ltd., Barking, Essex.

For pharmaceutical herbal preparations for use in treating intestinal worms; and pharmaceutical preparations in tablet form for use in the treatment of rheumatism (5)

Device with word SLACK'S, 737,463, by Potter & Clarke, Ltd., Barking, Essex.

For insecticides and preparations for killing weeds and destroying vermin (5)

MAGI-MIST, 742,373, by Everard Johnson & Co., Borden, Hants.

For insecticides, fungicides, herbicides, pesticides, preparations for killing weeds and destroying vermin; and talcs and powders, all for pharmaceutical, veterinary, sanitary and disinfectant purposes (5)

Device with words PRODUCTOS QUIMICA AGRICOLAS AGRICOLAS CENTRO-AMERICANAS, LTDA, 744,444, by Quimicas Agricolas Centro-Americanas, Limitada, San Jose, Costa Rica.

For insecticides, fungicides and weed-killing preparations (5)

LEAMITE, 751,566, by Plant Protection, Ltd., Yalding, Kent.

For pharmaceutical preparations for the treatment of indigestion; and preparations of slippery elm for use as food by infants and invalids (5)

Device with word THOMPSON'S, 737,464, by Potter & Clarke, Ltd., Barking, Essex.

For disinfectants and sterilising compounds (5)

RAYNAP, 748,211, by Sunray (Birmingham), Ltd., Birmingham, 9.

For dietetic foodstuffs (5)

CARRUGAN, 745,629, by Rugard Kemperdick & Co., Porz by Cologne, Germany.

For tablets containing dienoestrol and phenobarbitone for veterinary use (5)

FANTOMAR, 750,092, by Armour & Co., Ltd., London, E.C.1.

For pharmaceutical preparations and substances being nitro-compounds for human or veterinary use (5)

NITROPENT, 750,125, by Astra Aktiebolaget, Sodertalje, Sweden.

For pharmaceutical preparations and substances in tablet form (5)

SUSTABS, 750,985, by Victoria Laboratories, Ltd., London, W.C.2.

For preparations of hormones for addition to animal and poultry feeding stuffs for use as nutritional aids in fattening processes (5)

Device of the word LIPAMONE, 751,341, by White Laboratories, Inc., Kenilworth, U.S.A.

For pharmaceutical preparations of vitamins for addition to foodstuffs containing cereals and condiments (5)

ROVIFARIN, 752,252, by Roche Products, Ltd., Welwyn Garden City, Herts.

For pharmaceutical preparations for human use and for veterinary use (5)

EBIVIT, 752,276, by Evans Medical Supplies, Ltd., Liverpool.

For pharmaceutical preparations (5)

PLAQUENIL, 752,524, by Winthrop Products, Inc., New York, U.S.A. ASUNTOL, DETIGON, MANSONIL, NEBUSIN, TRENIMON, 753,136-40, by Farbenfabriken Bayer A.G., Leverkusen, Germany. PHETAMINAL, 753,066, by Victoria Laboratories, Ltd., London, W.C.2.

For veterinary preparations containing iron (5)

FERROFAX, 752,606, by The Crookes Laboratories, Ltd., London, N.W.10.

For acetic compounds for pharmaceutical purposes (5)

QUINACETIN, 753,023, by F. W. Hampshire & Co., Ltd., Derby.

For photographic and cinematographic apparatus and parts (9)

REOGON, 751,224, by Kodak, Ltd., London, W.C.2.

For toilet articles (21)

VELTONE, 751,053, by Alpertan Manufacturing Co., Alpertan, Middlesex.

From the "Trade Marks Journal" July 11.

For chemical substances for addition to oils to improve their anti-corrosive properties (1)

IONEX, 748,918, by Shell Petroleum Co., Ltd., London, E.C.3.

For synthetic resins in the form of gels (1)

BECKOGEL, 752,187, by Beck, Koller & Co. (England), Ltd., Liverpool, 19.

For finely divided oxides of metals or metaloids for the production of filler for rubber (1)

MARSILAC, 752,299, by Deutsche Gold-und Silber-S.A. vormals Roessler, Frankfurt on Main, Germany.

For synthetic resins consisting of amides (1)

VERSAMID, 752,378, by General Mills, Inc., Minneapolis, U.S.A.

For plastics in liquid or emulsion form (not being paints) for spraying on articles to form protective coverings (1)

TRANSIPAK, 752,506, by R. A. Brand & Co., Salford, 6, Lancs.

For chemical products for use in agriculture and horticulture; and seed dressings (1)

DIDIGAM, 753,133, by Plant Protection, Ltd., Yalding, Kent.

For cleaning and polishing preparations (3)

FILLERINE, 741,521, by Fillerys (Great Britain), Ltd., London, W.11.

For common soaps for sale in Northern Rhodesia (3)

ARGUS, 747,340, by Rhodesian Industries Co. (Private), Ltd.

For preparations for the hair (3)

Device of the wording CAPREX HAIR INSURANCE, 747,399, by C. T. Laboratories, Ltd., London, W.1.

For hair-waving preparations (3)

LEOZONE, 753,168, by Leons Hairdressers (Croydon), Ltd., Croydon, Surrey.

For non-medicated toilet preparations, etc. (3)

MEMOIRE CHERIE, 748,845, by Elizabeth Arden, Ltd., London, W.1. TICKLED PINK, B749,962, by Lenthric, Ltd., London, W.1. PLASTISET, 752,682, by Osborne, Garrett & Co., London, W.1. VELVET GLEME, B752,061, by Boots Pure Drug Co., Ltd., Nottingham. ARTALYN, 753,071, by Artalyn, Ltd., London, S.E.25.

For detergents for cleaning dairy fittings, milk bottles, etc. (3)

GLOBE, 750,042, by Reddish Chemical Co., Ltd., Stockport, Ches.

For eau-de-Cologne (3)

Device with wording Eau De Cologne Jean Mariefarina, Extra-Vieille, Roger & Gallet, Paris, B750,837, by Roger & Gallet, Paris, France.

For all goods (3)

LISSCO, B751,133, by Lissco Products, Ltd., Lancing Sussex. CONFIDENCE, B752,590, by Eileen Alice Symmons, Wembley, Middlesex. BULOVA, 753,347, by Bulova Watch Co., Ltd., Toronto, Canada.

For detergents (not for use in industrial or manufacturing processes) (3)

ROCKET, 752,680. LOOK, 753,924, by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne.

# WILLS

BARON TRENT OF NOTTINGHAM, The Grove, St. Lawrence, Jersey (former chairman, Boots Pure Drug Co., Ltd.), left estate in England valued at £7,806 (net value nil).

MR. W. F. J. ALEXANDER, 26 Redlands Road, Sevenoaks, Kent (manufacturing chemist), left £40,330 (£40,250 net).

MR. R. D. ANDERSON, M.P.S., 54 Horton Street, London, W.8, formerly of Mount Pleasant, Tunbridge Wells, Kent, left £8,154 (£7,874 net).

MRS. R. E. BELL, M.P.S., 7 Balmoral Terrace, Gosforth, Northumberland, left £3,455 (£3,402 net).

MR. H. R. BROAD, 25 Tuckton Road, Southbourne, Hants, who qualified as a chemist and druggist in 1887, left £12,014 (£11,910 net).

MR. R. BUSHBY, M.P.S., 293 Jersey Road, Osterley, Middlesex, left £8,670 (£8,313 net).

MR. T. T. COCKING, F.P.S., F.R.I.C., 1 The Mall, Southgate, London, N.14, left £37,664 (£37,524 net)

MR. A. CRICK, F.P.S., 70 Bank Street, Maidstone, Kent, left £125,919 (£125,450 net).

MR. S. DAVIS, F.P.S., Sisleys, Ashleworth, Glos, left £22,736 (£16,182 net).

MR. F. FAWN, M.P.S., Ledstone, All Saints Road, Cheltenham, Glos, left £31,106 (£31,045 net).

MR. C. F. FORE, M.P.S., 108 Chester Street, Birkenhead, left £2,381 (£2,052 net).

MR. A. E. HARDERN, M.P.S., 8 Rusland Avenue, Barrow-in-Furness, left £900 (£845 net).

MR. H. M. HIRST, M.P.S., 448 Scalby Road, Newby, Scarborough, left £13,172 (£12,718 net).

MR. A. B. JONES, M.P.S., Ivy House, Aston Street, Shifnal, Salop, left £5,576 (£3,835 net).

DR. H. KING, C.B.E., D.Sc., F.R.S., Birchwood, Brierley Avenue, Parley Cross, Wimborne, Dorset (head of Chemistry Division, National Institute for Medical Research, 1919-50), left £17,318 (£17,051 net).

MR. F. W. TEMPLE, M.P.S., 38 Meads Street, Eastbourne, left £26,494 (£26,272 net).



## PRINT AND PUBLICITY

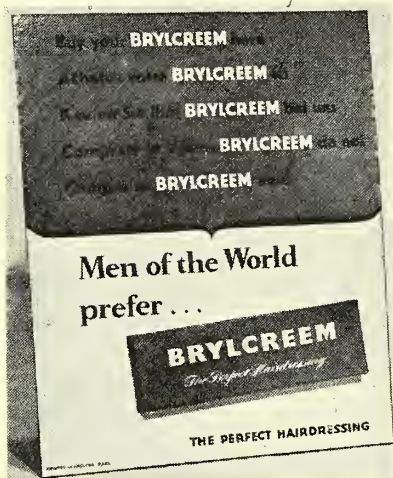
### Advertising Campaigns

CHAPPIE, LTD., Melton Mowbray, Leics: Meet. In national Press commencing August 14.

ILFORD, LTD., Ilford, Essex: Ilford films. In *Daily Express*, August 4.

MEGGESON & CO., LTD., Llewellyn Street, London, S.E.16: Meggeson dyspepsia tablets. In national Press throughout holiday season.

SWANDOWN COSMETICS, 191 Latimer Road, London, W.10: Skin-Glo, turtle-oil beauty cream and mask. In twenty-six women's magazines.



FOR CENTRAL LONDON ONLY: To catch the eye of visitors from abroad, County Perfumery Co., Ltd., Honeyput Lane, Stanmore, have produced a five-language showcard for Brylcreem. The pack illustrated is the collapsible tube in which the product is best known overseas.

### Booklets and Leaflets

CHILEAN IODINE EDUCATIONAL BUREAU, Stone House, Bishopsgate, London, E.C.2: "Iodine for Small Animals," "Iodine Facts—Preventing Infection," "Iodine—a 'Key' Element." Pp. 20, 48, 4.

PARKE, DAVIS & CO., LTD., Staines Road, Hounslow, Middlesex: "Euthymol for Family Business." Pp. 8.

### Commercial Television

THE following products are being advertised on the days shown:—

#### ALL STATIONS

DAILY, August 5-11: Field's French soaps (two appearances).

#### LONDON STATION

SUNDAY, August 5: Anadin.

WEDNESDAY, August 8: Gibbs' S.R. tooth-paste (between 10 and 10.30 p.m.); Nivea.



CROWNERS: For chemists with limited display space, Esso Petroleum Co., Ltd., speciality department, 128 Albert Street, London, N.W.1, have produced the "crowners" illustrated. Also available are three cut-out showstands to take two Flit powder, three rectangular cans of Flit insecticide and three drums of Flit aerosol insecticide spray respectively.

SATURDAY, August 11: Knight's Castile soap: Silvikrin (between 10.5 and 10.35 p.m.).

#### BIRMINGHAM STATION

WEDNESDAY, August 8: Astral cream (between 8 and 10.30 p.m.).

THURSDAY, August 9: Astral cream (between 8 and 10.30 p.m.); Gibbs' S.R. tooth-paste (between 8 and 10 p.m.).

SATURDAY, August 11: Cussons' cold cream soap (at 10.45 p.m.); Silvikrin.

#### MANCHESTER STATION

WEDNESDAY, August 8: Astral cream (between 8 and 10.30 p.m.); Knight's Castile soap.

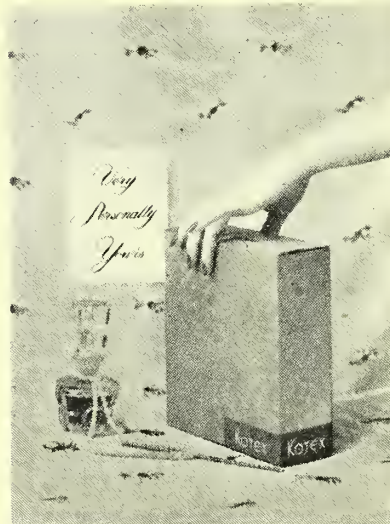
THURSDAY, August 9: Astral cream (between 8 and 10.30 p.m.).

SATURDAY, August 11: Cussons' cold cream soap (at 10.45 p.m.); Fenning's cooling powders, mother's book, rheumatic tablets (between 2.45 and 3.30 p.m., and 10.45 and 11 p.m.).

DAILY, August 6-11: Silvikrin.

### Periodicals

CHILEAN IODINE EDUCATIONAL BUREAU, Stone House, Bishopsgate, London, E.C.2: *Current*



"DISTINCTIVELY FEMININE": A showcard for Kotex available from Cellucotton Products, Ltd., Carkers Lane, London, N.W.5.



A NEW SHOWCARD: Displaypiece featuring Savlon liquid antiseptic now available from Imperial Chemical (Pharmaceuticals), Ltd., Wilmslow, Manchester.

*Iodine Literature*, Vol. 3, No. 6, Pp. 27, *Iodine Information*, Nos. 46-48, Pp. 16, 24, 16.

DRAGOCO G.M.B.H., Holzminden, Germany: *Dragoco Report*, Vol. 3, No. 7, Pp. 16. Supplement, Pp. 4

WILLIAM MASON & SON, LTD., Gelderd Road, Leeds, 12: *Shop*, June. Pp. 12.

PARKE, DAVIS & CO., LTD., Staines Road, Hounslow, Middlesex: *Parke-Davis Bulletin*, No. 2, 1956. Pp. 8.

### Price Lists

COSMETIQUE VIGDOR (LONDRES), LTD., 40 Lyon Street, London, N.1: "Gifts of distinction." Pp. 8.

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19: List A (drugs, fine chemicals, pharmaceuticals, etc.), July. Pp. 132.

KODAK, LTD., Kodak House, Kingsway, London, W.C.2: Trade circular, July. Pp. 8.

NORTH STAFFS PHOTOGRAPHIC SERVICES, Newcastle, Staffs: Photopia selected photographic equipment, 1956-57. Pp. 64.

SPRATT'S PATENT, LTD., 41 Bow Road, London, E.3: Trade. Pp. 6.

### Medical Propaganda

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: "Sulphadiazine Sulphonamide Therapy" (fifth edition of 32-p. booklet); "Rovamycin Oral Antibiotic for Common Infections" (4-p. introductory folder).

ROCHE PRODUCTS, LTD., 15 Manchester Square, London, W.1: "Becosym to Prevent Side Effects of Antibiotics" (blotter).

## C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; \*Tax 30 per cent.; †Tax 90 per cent.

ASPRO-NICHOLAS, LTD. (from August 1)

Lifeguard disinfectant	Doz.	I.R.P.	
	8 6	11 A	
	13 9	1 6 A	
	18 0	2 0 A	

BOOTS PURE DRUG CO., LTD. (from July 20)

Synthovo (hexoestrol) injection	Each		
1 mgm. in 1 ml		1 10	2 9 A
5 mgm. in 1 ml		2 0	3 0 A

ENERGEN FOODS CO., LTD. (from August 1)

Energen special fruit products (apricot, b/currant, raspberry, strawberry)	Doz.		
1 lb. jar	22 6	2 6 A	

SAVORY & MOORE, LTD. (from August 1)

Mechothane tablets	100	121 6	13 6 A
25 mgm.		522 0	58 0 A

### P.A.T.A. PROTECTED LIST

(Prices notified this week by the Proprietary Articles Trade Association.)

STEWART, GOODALL & DUNLOP, LTD.

(from August 1)			
Nuctone ordinary†	23 4	4 8 A	
éclaire†	23 4	4 8 A	
concentré†	32 6	6 6 A	

éclaire concentré†	32 6	6 6 A
Nuctol hair dressing, tube†	15 0	3 0 A

A. WANDER, LTD. (from July 28)

Ovaltine	medium	26 5	2 9 A
	large	48 0	5 0 A

(The price of the small size Ovaltine remains unchanged.)

SCOTT & BOWNE, LTD.

4711 preparations (full details of new range may be obtained on application to the secretary, P.A.T.A., 43 Gordon Square, London, W.C.1).

### NEW PRODUCTS AND PACKS

CUXSON, GERRARD & CO., LTD.

Motorists' first-aid kit	Each	5 4	7 0
--------------------------	------	-----	-----

IMPERIAL CHEMICAL (PHARMACEUTICALS), LTD.

Cevanol tablets 1 mgm. 100		5 0
----------------------------	--	-----

LEDERLE LABORATORIES DIVISION, CY-ANAMID PRODUCTS, LTD.

Achromycin liquid pediatric drops	10 c.c.	8 2	12 3
-----------------------------------	---------	-----	------

STAR ALUMINIUM CO., LTD.

Star house-foil, standard roll		2 3
--------------------------------	--	-----

VERITAS DRUG CO. (distributors: COATES & COOPER, LTD.)

Parialon tablets*		4 11
-------------------	--	------



# Symptomatic relief in hay fever, allergic rhinitis

In hay fever and allergic rhinitis NEOPHRYN WITH ANTIHISTAMINE nasal spray gives rapid and sustained symptomatic relief. Nasal congestion, sneezing and local irritation are reduced, without unpleasant by-effects.

Available in a plastic atomiser, retail price 4/-.



## NEOPHRYN

Trade Mark

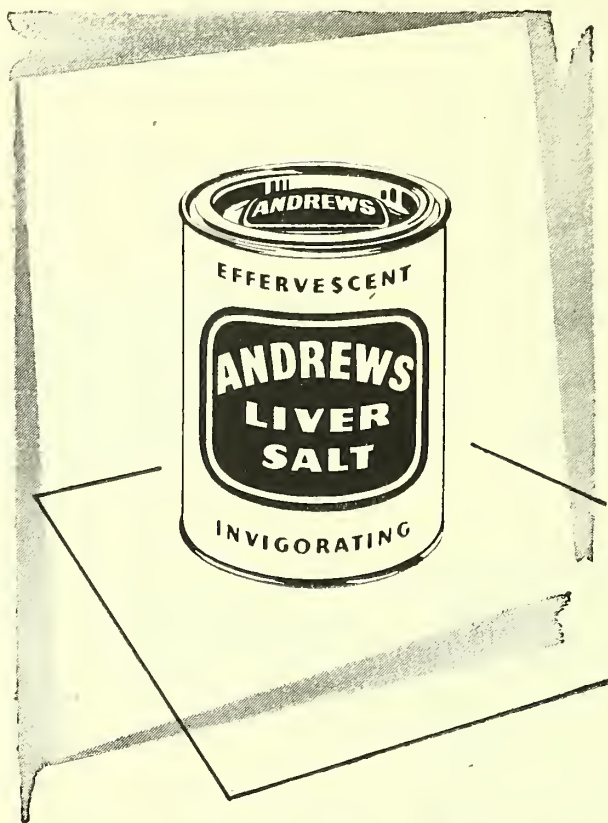
WITH ANTIHISTAMINE

Neophryn is also available without antihistamine, for simple decongestion. It is supplied as a spray, or as drops.

**BAYER****PRODUCTS LIMITED**

NEVILLE HOUSE, KINGSTON-ON-THAMES, SURREY  
Export enquiries to: WINTHROP PRODUCTS LIMITED





## PORTRAIT OF A BEST-SELLER

Andrews has the largest sale of any effervescing saline in the world. This is because:—

- The public have confidence in it.
- It has never been sold by exaggerated claims.
- Its packing and keeping qualities are guaranteed.
- It is advertised by a powerful national campaign.

**Andrews**  
for INNER  
**CLEANLINESS**

## There's lots and lots of Rheumatism about!

And plenty of demand for the most reliable general remedy of all—Curicones.

With its present up-to-date formula, it is a remedy you can recommend to all your Rheumatic customers.

This time of year a small counter show of Curicones will bring quite a nice extra trade, while obviously no chemist should ever let himself run out of stock of the 5/5½, 13/8 or 26/2½ size.

And make sure, also, that your stocks include Curicones Tablets. These tablets are proving increasingly popular and our free sampling campaign is producing quite a demand in those areas where we are carrying it out.

# CURICONES

Your wholesaler can supply you on the same terms as capsules.



AND

PATA

**STEPHEN MATTHEWS & CO., LTD.**  
19/21 Farringdon Street, London, E.C.4

For an unusually efficient service in the supply of all Patents, Ethical Proprieties, Drugs, Galenicals and sundries.

We deliver regularly to pharmacists in South Yorkshire, Nottinghamshire and Derbyshire.

**SMITH & HILL**  
(CHEMISTS) LTD.  
SIDNEY ST., SHEFFIELD, 1.  
Telephone: 28383 (5 lines)



# MILLIONS OF WOMEN

*see Evan Williams advertising . . .*

*. . . make sure they see*

# EVAN WILLIAMS

*Shampoos on your counter*

Your customers see  
**EVAN WILLIAMS**  
advertising in  
all these journals

DAILY MIRROR · DAILY SKETCH · WOMAN'S SUNDAY MIRROR  
WOMAN · WOMAN'S OWN · WOMAN'S WEEKLY · FEMININE  
SIX · LUCKY STAR · WOMAN'S ILLUSTRATED · PICTUREGOER  
HOME NOTES · HOME CHAT · WOMAN & HOME · MY HOME  
TRUE ROMANCES · ETC.

**EVAN WILLIAMS CO. LTD · AINTREE ROAD · PERIVALE · MIDDX**



***Synthetic  
Fine and  
Pharmaceutical  
Chemicals***

**A Selection from our Range**

ACETANILIDE  
ACETOPHENONE  
AMYL CINNAMIC ALDEHYDE  
ANETHOLE  
ANISALDEHYDE  
AZO BENZENE  
BENZALDEHYDE  
BENZOIC ACID  
BENZOYL CHLORIDE  
BENZYL ACETATE  
BENZYL ALCOHOL

BENZYL BENZOATE  
BENZYL CHLORIDE  
BENZYLIDENE ACETONE  
BROMSTYROL  
CINNAMIC ALDEHYDE  
CITRAL  
CITRONELLOL  
COUMARIN  
DIPHENYL METHANE  
EUCALYPTOL  
EUGENOL

GERANIOL  
GUAIACOL  
HYDROXYBENZOIC ESTERS  
HYDROXYCITRONELLAL  
IONONE  
LINALYL ACETATE  
METHOXY ACETOPHENONE  
PHENYLACETAMIDE  
PHENYLACETIC ACID  
ROSONE  
SODIUM BENZOATE

## W. J. BUSH & CO. LTD

LONDON, E.8 · ENGLAND

Telephone No.: Clissold 1234

Factories: Hackney, Mitcham, Widnes, Tottenham, Witham  
Branches: New York, Montreal, Johannesburg, Melbourne, Auckland.



POPULAR WITH YOUR CUSTOMERS  
PROFITABLE FOR YOU



# NUCTA

## CREAM SHAMPOO

Delightfully perfumed and with exceptional lathering and cleansing power.

IN 2 OZ. SIZE  
FOR HOME USE

Selling at 2/7½

(17/6 per doz. plus tax)

AVAILABLE ALSO  
WITH  
EGG AND LEMON

OBTAINABLE FROM YOUR USUAL WHOLESALER

MANUFACTURED BY

**STEWART, GOODALL & DUNLOP LTD.**  
121A PRINCES STREET — EDINBURGH

*A Source of New Business*

# NERVONE

REGD.

## Builds Up Nerve Power

There is an unlimited demand  
for this new Biochemic Tablet.  
Show it — it Sells on Sight!

**PATA**

**NEW ERA LABORATORIES LTD**  
Cecil House, Holborn Viaduct, London

The Hay fever season is upon us.

Win more sales  
and your customers' gratitude  
by recommending

# BESORBON

REGD. TRADE MARK

## MEDICINAL SNUFF

*the proved remedy*

*Your wholesaler can supply you  
promptly. Orders of one dozen  
come in attractive counter  
display box for*

**MORE SALES — MORE PROFIT**

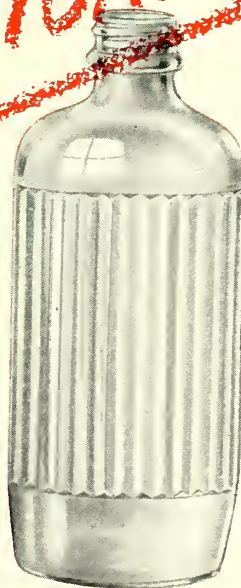
KEMSALES LTD., 20 EASTCHEAP, LONDON, E.C.3



QUALITY

IN WHITE FLINT

GLASS CONTAINERS



**DISPENSING BOTTLES**

1-oz. to 20-oz.

**RIBBED OVALS**

½-oz. to 16-oz.

**BOW-FRONT PANELS**

1-oz. to 8-oz. and 16-oz.

**OLIVE OIL BOTTLES**

2½-oz., 5-oz. and 10-oz.

**OVAL TABLET BOTTLES**

Nos. 1 to 7½ sizes.

**ROUND SCREW JARS**

Tall and Semi-squat.

**PANEL FLATS**

2-oz. to 4-oz.

**VIALS**

½-oz. to 3-oz.

*Prompt delivery from stock*

*Packed in easily handled cartons*

WHOLESALE ONLY

**NATIONAL GLASS  
WORKS (YORK) LTD.**

FISHERGATE, YORK. Tel. YORK 23021

ALSO AT: 105 HATTON GARDEN, LONDON, E.C.1.

Tel. HOLBORN 2146







**Containers—**  
*with all fittings*

**Corrugated pull-through boxes**  
*with or without divisions, of course!*

**COMPRESSED PAPER PACKING LIMITED**

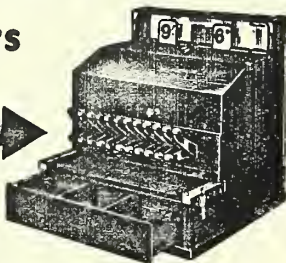
HORTON ROAD • WEST DRAYTON • MIDDLESEX • Tel: WEST DRAYTON 2237

## FINGER-TIP CONTROL for retailers

Everything needed to keep the cash position at your finger tips is contained in the modern GLEDHILL

Cash Register. Here, literally, is finger-tip cash control—from the touch of the keys recording a sale to the accurate sub-totals, totals and the analysis of transactions at the end of the day's trade.

There are five types of Gledhill Registers fully described and illustrated in the Catalogue which will be sent on request. In this range there is a model suitable for your business.



**Don't guess—get a Gledhill**

*British made for 60 years*  
HIRE PURCHASE TERMS AVAILABLE  
G. H. GLEDHILL & SONS LIMITED, 28 TRINITY WORKS, HALIFAX

*The Best costs no more!*

when ordering ZINC OXIDE  
insist on —

**FELLING**  
**ZINC OXIDE B.P.**

**AND GET THE  
Highest Standard of Purity**

WHOLESALE ONLY SUPPLIED  
ENGLISH MANUFACTURE  
USED THROUGHOUT THE WORLD

Guaranteed free from lead and arsenic. Its manufacture is supervised throughout by qualified chemists. Each particle size will pass 240 mesh with less than 0.1% residue.

We supply most Wholesalers, but should you have difficulty please contact

**H. LATTIMER**

22 UPPER GROUND,  
BLACKFRIARS, LONDON S E 1

Telephone: WATERLOO 5800

Manufactured by FELLING ZINC OXIDE CO., LTD





the ethical name in contraception

Package A: 85 gm. tube, with Ortho Applicator  
Package B: 85 gm. tube

Package A: 85 gm. tube, with Ortho Applicator  
Package B: 85 gm. tube

Package A: 75 gm. tube, with Ortho Applicator  
Package B: 75 gm. tube

85 gm. tube of Ortho-Gynol  
Ortho Diaphragm } in sizes 55 to 95  
Ortho Diaphragm Introducer } (in 5mm. gradations)

As Ortho-Gynol Set with tube of Ortho Creme instead of Ortho-Gynol in sizes 55 to 95 (in 5 mm. gradations)

**Ortho Diaphragm Duo-Pack** Containing:  
Ortho Diaphragm in sizes 55 to 95 (in 5 mm. gradations)  
Trial size Ortho-Gynol  
Trial size Ortho Creme

Coil spring, sizes 55 to 95 (in 5 mm. gradations)

For vaginal application of measured dose (5 cc.) Ortho-Gynol,  
Ortho Creme or Preceptin Vaginal Gel

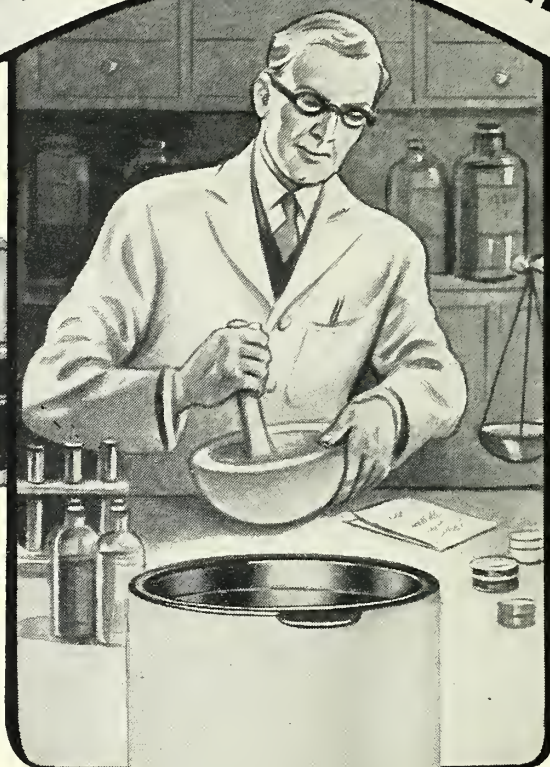
Individual Introducers to accommodate diaphragms sizes 55 to 95 (in 5 mm. gradations)



**Ortho Pharmaceutical Limited · High Wycombe · England**



# STANDARD ROUND BOXES FOR THE CHEMIST



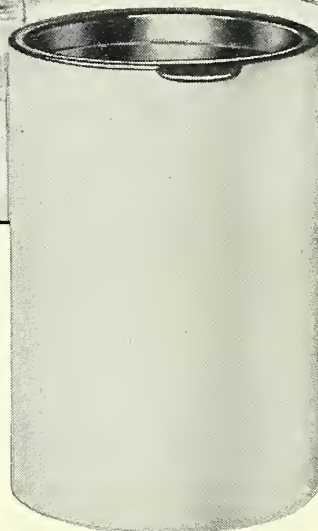
"CHEPETTE" BOXES  
for Pills and  
Ointment



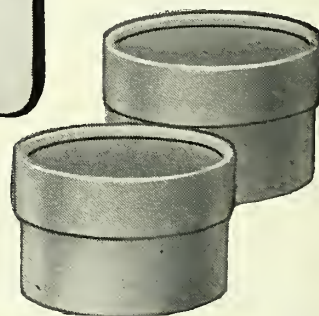
PILL BOXES



"LITTLE JOHN" DRUMS



"SEALITE" OINTMENT BOXES



## MADE BY ROBINSONS OF CHESTERFIELD



ALL AVAILABLE FROM STOCK THROUGH YOUR USUAL SUPPLIER

**ROBINSON & SONS LTD**  
**WHEAT BRIDGE MILLS, CHESTERFIELD**

Telegrams: 'BOXES' CHESTERFIELD. Telephone: 2105 (6 lines)

London Office: KINGS BOURNE HOUSE, 229-231, HIGH HOLBORN, W.C.1. Telegrams: 'OMNIBOX' HOLB. LONDON Telephone: HOLborn 6383



# DISPLAY AND SELL

## THE **SALTER** "MAYFAIR" PERSONAL WEIGHER

Today, with more and more people becoming interested in dieting and slimming for both health and beauty reasons, it pays to stock, display and sell the "Mayfair" personal machine. Check these advantages and you will see why the "Mayfair" is one of today's best sellers.

- Priced at only 79/6d. including tax.
- Rubber-encased platform gives a non-slip weighing surface, with no dust or water trapping crevices. It also prevents damage to skirting boards.
- Streamlined design for easy cleaning.
- Graduated 20 stone x 1 lb
- Strong, compact and easily portable.
- It is made in the Midlands of England, by Salter—makers of weighing machines for nearly 200 years.
- A full-colour showcard is available free on request for point-of-sale display.



ONLY  
**79/6**

### NATIONALLY ADVERTISED IN

*John Bull, Woman  
and Beauty, Vanity Fair,  
Britannia and Eve,  
Everywoman, Good House-  
keeping, Ideal Home,  
Reader's Digest.*

\* For those who prefer the full view  
dial-type machine, the popular  
"Grosvenor" and "Windsor"  
models are still in production.

Geo. Salter & Co. Ltd., West Bromwich.



*Display Zoflora on your counter - it's a good steady seller*

**SELLS ON SIGHT**

**EXTENSIVELY ADVERTISED IN  
FOREMOST WOMENS PAPERS**

**REPEATS ON MERIT**



**Zoflora**

*Perfumed Disinfectant*

**THORNTON & ROSS**  
LIMITED

LINTHWAITE LABORATORIES ENGLAND  
BODDERSFIELD

TR 190

*You must sell this*  
**6<sup>D</sup>**  
*sachet!*

The big demand for Shandruff, the enemy of dandruff, is growing every week—it is a lovely shampoo which does what is claimed for it and is the **only** 6d. sachet of its type now on the market. Don't leave it any longer.



These neat little counter display cards will aid your sales.

Price 42/- per gross sachets, plus P.T. AVAILABLE ON SALE OR RETURN

From your usual wholesaler or

**VINES BIOCRIN LIMITED**

222-224, HARROW ROAD, LONDON, W.2

Telephone: CUNningham 1172-3

**PRIDE** HAIR  
BEAUTY  
PREPARATIONS



by FURMAN  
Grand Awards  
London, Paris, Brussels

**SPRAYING HAIR LACQUER**

In the new super spray. This fine, fast-selling product is an article you can recommend with confidence.

Price 20/- per dozen. P.T. 18/- per dozen. Retail 4/3d.

REFILL Sachet 13/- per dozen. P.T. 11/8d. per doz. Retail 2/8d.

**SPRAYING TONIC BRILLIANTINE**

The ultra light, high gloss, vitamized oil. So helpful to all drier types of hair.

Price 17/6d. per dozen. P.T. 15/9d. per dozen. Retail 3/9d.

**EGG AND LEMON SHAMPOO**

The nutritive 24 cream shampoos in the plastic dispenser injector bottle. Price 25/- per dozen. P.T. 7/6d. per dozen. Retail 3/9d.

In 3 shampoo tubes 5/- per dozen. P.T. 1/6 per dozen. Retail 3/9d.

**COLOUR STREAK**

In 6 lovely shades. Just brushes on.

Price 17/6d. per dozen. P.T. 15/9 per dozen. Retail 3/9d.

**BRILLIANT GLITTERS**

Which give the effect of diamonds in the hair. In 6 shades. Price 13/- per dozen. P.T. 11/8d. Retail 2/8d.

**ALL NATIONALLY ADVERTISED**

Showcards — Display Outers — Window Bills

From your usual Wholesaler or direct.

**B. N. FURMAN (Products) LTD., 133 Fonthill Rd., London, N.4**





*Get ready*  
for the  
**WHITE LILAC**  
rush!

WHITE LILAC is the latest santowel of the famous Southalls range. This pure cellulose, soluble santowel is guaranteed a top-seller because "WHITE LILAC" is made to a design specifically required by every woman. Every Wholesaler and Retailer is given the opportunity of cashing-in on the intensive summer promotion campaign for "WHITE LILAC". Sales-compelling advertisements are appearing in a large number of national dailies and popular women's magazines which will be read by **25,000,000** women in July and August. Attractive Dispenser units and show material are being placed by Southalls Representatives or can be obtained on request.

**Order NOW for prompt delivery—  
through your usual wholesaler.**

# WHITE LILAC

*SOLUBLE SANTOWELS by Southalls*

RETAIL PRICES Standard (doz.) 1/11d. Size 1 (doz.) 2/2d. Size 2 (doz.) 2/5d. Standard (½ doz.) 1/-

*Southalls (Birmingham) Ltd., Charford Mills, Birmingham, 8*





*You'll be busy with*

# BRONTAN

REGD. TRADE MARK

## SUN-TAN CREAM

### THIS SUMMER



NON-GREASY BRONTAN tans fast and sells fast, and each tube will show YOU a healthy profit. Now's the time to order for your share of this brisk business which will be continual throughout the summer.

Trade Price 10/3 per dozen  
(P. Tax 9/2<sup>3</sup>/<sub>4</sub>)

Retail 2/1<sup>1</sup>/<sub>2</sub> per tube  
(inc. Tax)

*Bonus for display, 13 to the dozen on parcels of not less than 3 dozen*

JOHN BELL, HILLS & LUCAS LTD., OXFORD WORKS, WORSLEY BRIDGE RD., S.E.26



Your  
"SILENT"  
SALESMAN  
in  
NORTHERN  
IRELAND

*An integral part  
of the  
United Kingdom*

Read in the homes of every hamlet, village, town and city throughout the whole of this important industrial and commercial territory.

## Belfast Telegraph

HEAD OFFICE ROYAL AVENUE, BELFAST. LONDON OFFICE 112 FLEET STREET, E.C.4

THE NEWSPAPER WITH THE LARGEST CIRCULATION IN NORTHERN IRELAND

# PURE CRYSTALLINE D3

*Manufacturers:*  
**PEBOC  
LIMITED**

**Enquiries to SALES OFFICE  
629/630 TOWER BUILDING  
LIVERPOOL 3 • ENGLAND**

**LABORATORIES  
GREENFORD • MIDDLESEX**







# Advertising

*MORE* women will buy  — the rose  
scented Hair Remover — in 1956 than ever before.

*It is now FASTER. Advertising will appear in women's  
journals with readership totalling 20 million.*

*Are your  stocks adequate? Are you  
displaying it prominently?  means business —*

*that means profits. And *

*has the delightful fragrance of roses. It is  
so easy to use and quick to remove hair.*



Available in tubes retailing at 2/6 (12/6 per dozen plus 90%  
P.T.) and polythene bottles (for leg hair) retailing at 7/6 (37/6  
per dozen plus 90% P.T.) from your Wholesaler or from:

**BIOMETICA LTD.** Park Road, Barnet, Herts. Telephone: BARnet 1914





*Bislumina is a Registered Trade Mark*

can be obtained from the Sole Distributors in the U.K.

**C. J. HEWLETT & SON LTD**

King George's Avenue, Watford, Herts.

or through your usual wholesaler

Bismuth Aluminate  $\text{Bi}_2 (\text{Al}_2\text{O}_4)_3 \cdot 10\text{H}_2\text{O}$ , a patented compound, is manufactured

under licence in the United Kingdom by

MINING & CHEMICAL PRODUCTS LIMITED, LONDON

# ILOX

## EYE LOTION



Recommend it with assurance—for Eye Strain, Tired Eyes, Inflammation, etc.

**Retails at**  
**2/6 per bottle**  
 (Including eye bath)  
 Cost Price 18/- per doz.  
 plus 5/5 P.T.

**LARGE SIZE**  
 10 ozs: **4/- per bottle**  
 Cost Price 28/- per doz.  
 plus 8/6 P.T.

**ILOX EYE BATHS**  
 Cost per doz. 10/- plus 3/- P.T.  
 Retail 1/6 each

**BONUS OFFER**  
**1 DOZEN PARCEL**  
**13 to the dozen**  
**ATTRACTIVE SHOW - CARD**  
**IS ALSO AVAILABLE**  
*from the London Distributors*

Prepared by

**B. HOOPER & CO. LTD. Chemists**

6 Railway Place • Fenchurch Street • London • E.C.3. **ROY 2290**

*London Distributors:*

**PORTLAND SUPPLY CO., STONEY LANE, E.C.3. 8HS 5274**



for the  
finest quality  
at the  
keenest prices

**GALENICALS • PACKED SPECIALITIES • TABLETS  
 PILLS • SUNDRIES AND PROPRIETARIES • also  
 PHOTOGRAPHIC CHEMICALS • APPARATUS & CAMERAS**

**19 QUEEN STREET, GLASGOW.** Glasgow: CENTral 1918  
**ASHFIELD, BRADFORD 7** Telephone: Bradford 32281/5  
 Telegrams: "Broparco, Bradford"

**PRICES REDUCED**  
**FOR HARDWOOD APPLICATORS**

100 boxes and over 3/- per box, 50 to 99 boxes 3/3 per box,  
 under 50 boxes 4/- per box.  
 Standard pack, 6 gross to a box.

**IMMEDIATE DELIVERY FROM LONDON STOCKS**

**TONGUE DEPRESSORS**  
 LOWEST PRICES SINCE THE WAR

Size 6in. × 3/4in. × 2mm. thick. Danish beech, perfectly finished.  
 Boxed 100's. Minimum order 10,000.

•  
 Wholesale Houses only supplied.

**ASHWOOD TIMBER INDUSTRIES LTD.**  
*Specialists in Veneer and Plywood Products for all Trades.*

**IBEX HOUSE, MINORIES, LONDON, E.C.3**  
 Tel.: ROYal 2494 Cables: ASHTIM, LONDON





More than half the people in your neighbourhood will see this TEK advertising in the RADIO TIMES. A lot of them will be going on holiday: they'll want to take TEK toothbrushes with them. Some of them will be staying at home—but they'll still want TEK toothbrushes. Who's going to sell them TEK? Why not *you*? Check your TEK stocks: show TEK in your window and on your counter: put money in your pocket—with the help of the RADIO TIMES.

**one of the products that MOVE with the**

# RADIO TIMES

CERTIFIED WEEKLY NET SALES JAN-DEC. 1955—8,800,715

All enquiries for advertisement space to:

TOM HENN, HEAD OF ADVERTISEMENT DEPT., BBC PUBLICATIONS, 35, MARYLEBONE HIGH STREET, LONDON, W.1.  
CRC T13





*The*  
**BEATSON**  
*Ribbed Oval..*

Attractive presentation and sound functional design are both provided by the Beatson Ribbed Oval.

A wide range is available, both Cork Mouth and Screw Neck, with either White Enamelled or Black Plastic Caps.

"The Sign of a



Good Bottle"

**BEATSON, CLARK & CO., LTD.**  
ESTABLISHED 1751

Glass Bottle Manufacturers

ROTHERHAM

YORKS

B.C.73



# BUCHU PAPAIN CALABAR BEANS

and all other Botanicals, Gums,  
Waxes, Essential Oils and Spices

**JOHN KELLYS (LONDON) LTD.**  
24 OLD BROAD STREET, E.C.2

Telephone: LONDON Wall 6585 (4 lines)

Telegrams: "Ergotine, Stock, London"

NEW YORK • HAMBURG

**GUM TRAGACANTH**  
**GUM KARAYA**  
WHOLE AND POWDERED  
DIRECT IMPORTERS

Phone:  
MANSION  
HOUSE  
4405  
(3 lines)

**M. HAMBURGER & SONS**  
Plantation House  
MINCING LANE • LONDON E.C.3

**BUCKLEY-BOWKER TABLET CO. LTD.**  
29 PARKFIELD STREET • LONDON N.1

Tel: CANonbury 3401

Manufacturers of the highest standard

**Contraceptive**  
*Foam*  
**Tablets**

AND OF EVERY KIND OF QUALITY  
TABLETS TO CUSTOMER'S OWN FORMULATION



# SMALLER SIZE TRESS



Heavy advertising in  
**'WOMAN'**  
**'WOMAN'S OWN'**  
**'DAILY MIRROR' etc.**  
will reach  
**15,000,000 WOMEN**  
—widening the market for this  
fast-selling wave-set

**TRESS**, already one of the biggest selling wave sets, will reach an even wider market with the addition of this half-size pack. Be sure you have stocks to meet an entirely new demand for 1/9d Tress. The large size will still continue in demand by enthusiasts who have formed the habit of buying Tress at 2/10½d per bottle.

## TRADE TERMS

### SMALL SIZE

Price 8/10d  
per dozen bottles  
plus 90% tax  
selling at 1/9d per bottle.

### LARGE SIZE

Price 14/5d  
per dozen bottles  
plus 90% tax  
selling at 2/10½d per bottle

**GOLDEN LIMITED, 7 GROSVENOR STREET, LONDON, W.1. Hyde Park 1671**

Trade Enquiries for the Republic of Ireland should be addressed to: Lilmar Pharmaceuticals, Ltd., Santry, Dublin.



*An ideal Contraceptive*

# Antemin

REGD. TRADE MARK

ANTEMIN is an ideal contraceptive cream and fulfils all the requirements for successful family planning. Based on sound scientific principles in the light of modern research, Antemin is

- ★ **HIGHLY EFFECTIVE**
- ★ **HARMLESS**
- ★ **EASY TO APPLY**
- ★ **INEXPENSIVE** and is
- ★ **ODOURLESS** and **COLOURLESS**

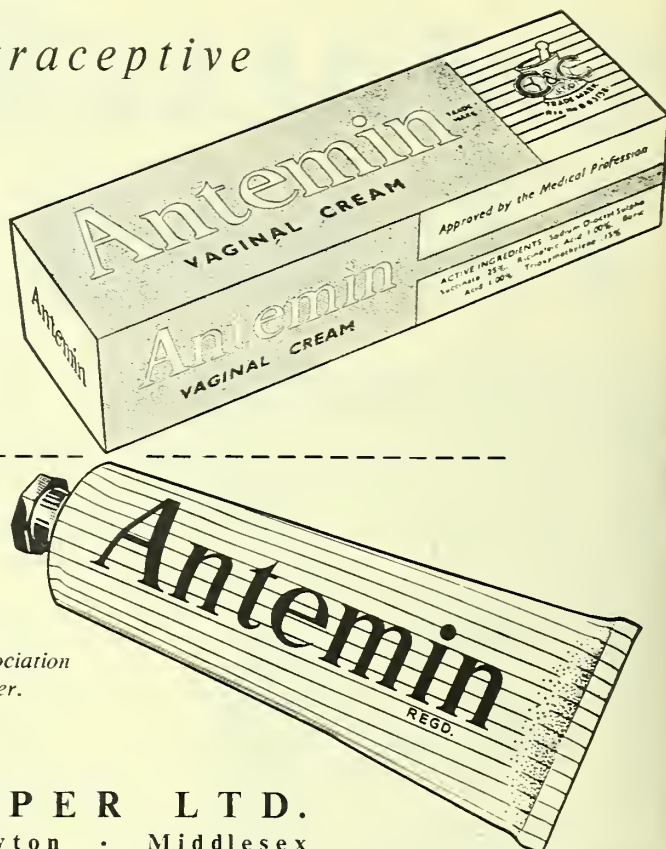
*Antemin is approved by the Family Planning Association for use in conjunction with a mechanical barrier.*

Retail price . . . 3/- per tube

Trade Discount . . . 33½%

**COATES & COOPER LTD.**

Pyramid Works • West Drayton • Middlesex



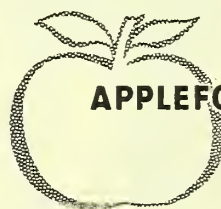
**Ampoules  
Tubes  
& Vials**



**TO ALL STANDARDS**

**The FRANCO-BRITISH GLASS Co. Ltd.**

15-17, KING STREET, ST. JAMES'S, LONDON, S.W.1  
Telephone: TRAfalgar 4151



1/2d. on every bottle of

**APPLEFORD'S CIDER VINEGAR**

**33½% profit for you**

Year-round advertising boosts your sales!

APPLEFORD LTD., LANDOR ROAD,  
LONDON, S.W.9.

## DISEASES AND REMEDIES

10th Edition, 1955

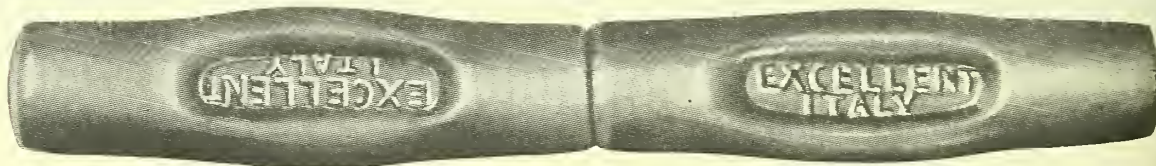
Contains numerous additions made since the 9th edition (published 1953), which was completely rewritten. A concise survey of the most modern methods of medicine. It provides pharmacists with a text-book of information on the treatment of diseases and the drugs used.

PRICE 15/- Postage 9d.

Order direct from:

**THE CHEMIST & DRUGGIST**

28 ESSEX STREET, STRAND, LONDON, W.C.2



"EXCELLENT" is the name of our Licorice Juice Stick and excellent is the quality of all our drugs. Essential Oils and Spices.

**BROME & SCHIMMER**

7, LEATHER MARKET, LONDON, S.E.1.





## 'I like these Pyrex beakers because...'

'they are so much stronger, and last so much longer'

'How is that?'

'Well you see, Sir, because of their low coefficient of expansion, they can be made of much thicker glass. Wafer-thin beakers are so easily broken that we save pounds a year in the lab. by using PYREX!'

Yes indeed! 'PYREX' borosilicate glass beakers and flasks are robust and shock-resisting. Heat and acid-resisting too. Coefficient of expansion  $3.2 \times 10^{-6}$  . . . almost nothing.

'PYREX' brand laboratory glassware is made only by James A. Jobling & Co. Ltd., Sunderland

Large new catalogue FREE  
Send name, address and position in firm

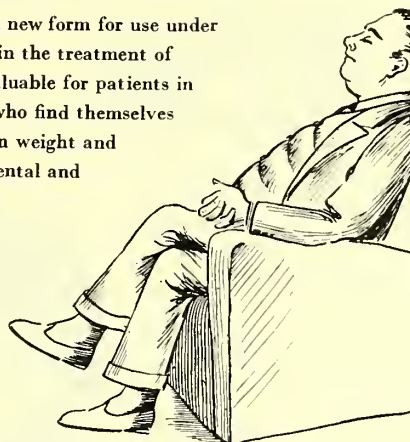
**JAMES A JOBLING & CO LTD**  
Wear Glass Works Sunderland



THE ONLY MAKERS OF 'PYREX' BRAND GLASS IN THE UNITED KINGDOM

## thyrophem tablets

A preparation in new form for use under medical advice, in the treatment of adiposity. Invaluable for patients in the mid-forties who find themselves gently putting on weight and quietly losing mental and physical vigour.



### EACH TABLET CONTAINS:—

Dextro-Amphetamine Sulphate	...	5 mg.
Thyroid B.P.	... ..	Gr. $\frac{1}{4}$

Packed in bottles of 50, 100, 500, and 1,000

Write for literature and samples to



**THE ARMOUR LABORATORIES**  
(Armour & Company Ltd.)

HAMPDEN PARK, EASTBOURNE, SUSSEX

Telephone: Hampden Park 740  
Telegrams: Armolab, Eastbourne

For acidosis...  
recommend  
*Rayner's*  
**Lembar**  
all the year  
hot or cold



**Lemons**  
**Glucose**  
**Scotch Barley**  
**Sugar**

MADE BY RAYNER AND COMPANY LIMITED, LONDON, N.18



# NEW Rosedale

LANOSPRAY



**SET  
YOUR  
TILLS  
A JINGLE**



**Self Spray bottle**



**Wholesale—22/- per dozen + purchase tax**



**Retails at 4/11 per bottle showing 75% profit**



**Spray bar sells Rosedale for you—**

*Handy Self Service Dispenser*



**National advertising commences this Autumn**



*The*  
**CHEMIST AND DRUGGIST**

**CLASSIFIED ADVERTISEMENTS**

Supplement

28 ESSEX STREET, STRAND, LONDON, W.C.2

**ORRIDGE & COMPANY**

**CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL**

**BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF**

**Irish Representative: Mr. J. A. Bassett, Ph.C., 57 Great Victoria Street, Belfast, Northern Ireland. Tel: Belfast 27078**

**184 STRAND, W.C.2**

**Tel.: TEMple Bar 9212/3 & 6340**

**PREMISES TO LET**

17/6 for 36 words (min.) then 4d. per word.  
Box 2/-

**NEW SHOP.** Vacancy for chemists/photo dealers in prominent parade of 11 shops, High Street, Banstead, Surrey. Multiple position near G.P.O. Population 36,000. Shop 19 ft. x 39 ft. and large s/c maisonette about £650 p.a. or lock-up £400 p.a. Bowditch & Co., 5 High Street, Banstead, Burgh Heath 3977/8. C 5464

**BUSINESSES FOR DISPOSAL**

17/6 for 36 words (min.) then 4d. per word  
Box 2/-

**BOURNEMOUTH DRUG STORES.** Lock-up in prominent position of main street near square, with no opposition. Elderly proprietor retiring. Marvellous chance for younger man. Price and full particulars from sole agents, Primmers, Queens Road, Bournemouth. C 3877

**ESSEX,** easy distance London. Attractive double-fronted corner shop (lock-up) in busy main thoroughfare. Takings last financial year £4,600, audited accounts. Capable of considerable increase. Owner selling on grounds of ill health. Price £2,100, 14 years' lease. Near offer considered. Box C 3862.

**SOUTHPORT.** Situated in residential area, nicely fitted pharmacy with excellent living accommodation above. Takings average £4,500 showing about £950 net profit p.a. Probably more this year. N.H.S. script average 750 per month. Price of business £1,100, plus stock approximately £1,000. Freehold property £2,750. Box C 3834.

**APPOINTMENTS**

18/- per half inch (min.) and pro rata.  
Box 2/-

**BARNET GENERAL HOSPITAL,  
WELLHOUSE LANE,  
BARNET, HERTS**

**Locum Pharmacist**

required. New and well-equipped department. Salary 16 gns. per week. Apply to Hospital Secretary, giving age and experience and two referees (Phone: Barnet 7421). C 5410

**BARNET GENERAL HOSPITAL,  
WELLHOUSE LANE,  
BARNET, HERTS**

**Senior Pharmacist**

Applications are invited for the post of Senior Pharmacist (Category V). The Pharmacy Department is new and well equipped. Salary £575-£775 plus London Weighting. Applications stating age, experience, names two referees, to Hospital Secretary. C 266

**BURY & ROSSENDALE  
HOSPITAL MANAGEMENT  
COMMITTEE**

**FAIRFIELD GENERAL  
HOSPITAL, BURY**

**Pharmacist**

required at the above hospital. Salary £500, rising by annual increments to a maximum of £725. Apply, stating age, qualifications and experience together with names of two referees, to H. Wilkinson, Group Secretary, Bury General Hospital, Bury, Lancs C 5481

**ENFIELD GROUP HOSPITAL  
MANAGEMENT COMMITTEE**

**Senior Pharmacist**

required for duties within the Group. Salary scale £575-£775 per annum.

**Part-time Pharmacist**

required for 5 sessions per week, for duties within the Group. Salary 31/- per session of 4 hours. Apply to the Group Secretary, Chase Farm Hospital, The Ridgeway, Enfield, Middlesex, giving the names and addresses of two referees. C 5473

**HIGHBURY HOSPITAL,  
NOTTINGHAM**

**Pharmacist**

required. Whitley Council salary and conditions of service. Applications in writing to the Group Secretary, General Hospital, Nottingham. C 273

**KING EDWARD VII HOSPITAL,  
WINDSOR**

**(Category III Hospital)**

**Pharmacist**

required at the above hospital. Apply with details of service and names of three referees to Secretary. C 5429

**LAMBETH HOSPITAL**

**Locum Pharmacist**

required at Lambeth Hospital, Brook Drive, S.E.11, for indefinite period. Salary 15 gns. per week or according to experience. Phone: Chief Pharmacist, Rel. 3804. C 249

**LAMBETH HOSPITAL,  
BROOK DRIVE, S.E.11**

**(Acute General Hospital, 510 Beds)**

**Senior Pharmacist**

Applications are invited for the post of Senior Pharmacist in a department which is being enlarged with consequent increase in the number of staff. Salary (plus London Weighting) in accordance with Whitley Council Scale. Applications, stating age, experience, qualifications and names of two referees to the Secretary. C 256

**NORTH WEST DURHAM  
HOSPITAL MANAGEMENT  
COMMITTEE**

**SHOTLEY BRIDGE GENERAL  
HOSPITAL, co. DURHAM**

**Senior Pharmacist**

Applications are invited from registered pharmacists for the above appointment. Department equipped with facilities for manufacturing and sterile work. Salary £575 by annual increments to £775. Whitley Council conditions. Applications giving details of age, qualifications and experience together with names of two referees to the Group Secretary, Shotley Bridge General Hospital, Shotley Bridge, Consett, co. Durham, immediately. C 5462

**ROCHDALE AND DISTRICT  
HOSPITAL MANAGEMENT  
COMMITTEE,**

**BIRCH HILL HOSPITAL AND  
ROCHDALE INFIRMARY**

**Senior Pharmacist**

required to work in either of the above general hospitals under the direction of the Chief Pharmacist. Salary in accordance with Whitley Council Scale. Apply at once to Group Secretary, Central Offices, Birch Hill Hospital, Rochdale. C 5430

**QUEEN MARY'S HOSPITAL FOR  
THE EAST END, STRATFORD,  
LONDON, E.15**

**Deputy Chief Pharmacist**

£625 to £850 per annum, plus London Weighting.

or

**Locum Pharmacist**

£16 16s. per week. Apply with full details to Hospital Secretary. C 5434

**SHEFFIELD No. 1 HOSPITAL  
MANAGEMENT COMMITTEE**

**Pharmacist**

Applications are invited for the appointment of pharmacist at the City General Hospital. Salary scale £500 x £25 (3)-£575 x £30 (5)-£725.

Apply, giving full details of age, qualifications, experience, etc., and the names of two persons for reference, to the Group Secretary, Nether Edge Hospital, Sheffield, 11. C 5443

**STAFFORD H.M.C.**

**Senior Pharmacist**

Applications invited for post of Senior Pharmacist at Staffordshire General Infirmary, Stafford (Category III Hospital), Whitley Council salary scale and conditions of service. Applications to Group Secretary, Stafford H.M.C., 13 Foregate Street, Stafford. C 5453

**STAINES GROUP HOSPITAL  
MANAGEMENT COMMITTEE**

**Pharmacist**

required at Ashford Hospital, Ashford, Middlesex, on salary scale £500-£725 per annum, plus London Weighting. Post now vacant. Applications, stating age, qualifications and experience, with copies of up to three recent testimonials, to Medical Director of Hospital immediately. C 262

**STAINES GROUP HOSPITAL  
MANAGEMENT COMMITTEE**

**Locum Pharmacist**

required at Ashford Hospital, Ashford, Middlesex. Salary 16 gns. per week. Applications, stating age, qualifications and experience with copies of up to three recent testimonials to Medical Director of Hospital immediately. C 260

**ST. BARTHOLOMEW'S HOSPITAL,  
LONDON, E.C.1**

**Locum Pharmacists**

Immediate vacancies exist for locum pharmacists until the end of September. Salary at the rate of £15.15.0d. per week. Applications in writing, giving details, to Chief Pharmacist. C 5458

**ST. GEORGE'S HOSPITAL,  
HYDE PARK CORNER, S.W.1**

**Senior Pharmacist**

male, to take charge of galenical laboratory and do one evening dispensing duty a week. Salary in accordance with Whitley Council scale. Apply in writing to Chief Pharmacist. C 5454

**SUNDERLAND AREA HOSPITAL  
MANAGEMENT COMMITTEE**

**Locum Pharmacist**

required immediately to cover holiday duties for August and September. Salary 16 guineas per week. Apply in writing to the Group Secretary, General Hospital, Sunderland. C 5460

**THE LONDON HOSPITAL, E.1**

**Senior Pharmacist**

Experienced pharmacist required for this post in Category V Teaching Hospital. Age, qualifications and experience to Secretary, The London Hospital, Whitechapel, B.1. C 272



**Appointments—Continued****ST. MARGARET'S HOSPITAL,  
EPPING  
Pharmacist**

required at the above hospital. Salary and conditions of service in accordance with those laid down by the Pharmaceutical Whitley Council. Apply giving details to Superintendent of hospital. C 5400

**STOCKPORT AND BUXTON  
MANAGEMENT COMMITTEE  
Pharmacists**

Applications are invited from suitably qualified candidates for two posts of Pharmacist, one at Stockport Infirmary and one at Stepping Hill Hospital. Salary scale £500 p.a., rising by annual increments to £725 p.a. Applications with full particulars, together with copies of two testimonials, or names of referees to the Group Secretary, 59b Shaw Heath, Stockport. C 5459

**STOCKPORT AND BUXTON  
HOSPITAL MANAGEMENT  
COMMITTEE****Stepping Hill Hospital  
Locum Pharmacist**

required. Salary £16 16s. 0d. per week. Applications to the Group Secretary, 59b Shaw Heath, Stockport. C 5475

**ST. THOMAS-ELGIN GENERAL  
HOSPITAL,  
ONTARIO, CANADA  
Pharmacist**

wanted (male or female). Graduate pharmacist for dispensary of the General Hospital (285 beds, 61 bassinets); commencing salary £100 per month. Must be in good standing Pharmaceutical Society of Great Britain. Work as assistant Pharmacist. Apply Personnel Officer, St. Thomas-Elgin General Hospital, St. Thomas, Ontario. C 5471

**THE ROYAL INFIRMARY,  
SUNDERLAND  
Pharmacist**

required for the Royal Infirmary with service at the Children's Hospital; salary £500 x £25 (3) —£575 x £30 (5)—£725, if aged 23 or over; Whitley Council conditions. Apply immediately, naming two referees, to the Hospital Secretary, Royal Infirmary, Sunderland. C 5461

**TOOTING BEC HOSPITAL,  
TOOTING BEC ROAD,  
LONDON, S.W.17  
Pharmacist**

required at the above hospital. Salary and conditions of service in accordance with those laid down by the Pharmaceutical Council plus London Weighting. Apply giving details to Superintendent of hospital. C 5448

**SITUATIONS VACANT**

12/- for 36 words (min.) then 4d. per word.  
Box 2/-

**RETAIL (HOME)**

**DONCASTER CO-OPERATIVE CHEMISTS, LTD.**, require the services of pharmacist (male or female) as branch manager, 44-hour week; minimum annual salary £840, bonus increments for sales increases. Rota duties are additional payments. Applications with usual particulars to Superintendent Chemist, Doncaster Co-operative Chemists, Ltd., P.O. Box 20, Doncaster. C 263

**MANAGER OR MANAGERESS**, locum or permanent, required, would suit newly qualified pharmacist. Hours 9 to 6 p.m. Half-day Thursday; no Sunday rota duties. Very good supporting assistant. Apply by letter or phone for interview, Leslie Martyn, Ltd., 34 Dalston Lane, London, E.8. C 3793

**MIDLAND AREA**. Senior stocktaker required. Must have had several years' experience in pharmacy. Substantial wages. All expenses paid. Permanency. Apply Box C 259.

**POITERS BAR**. Pharmacist required with interest in photography to manage a good class establishment in this area. Splendid opportunity for promotion with good supporting staff and development is assured. Flat accommodation can be provided if desired. Apply with full details stating when available for interview to Box C 3893.

**TWO PHARMACISTS** required for the position of Branch Manager, male or female. Generous salary, easy hours, Saturday half-day, and a modern flat will be available in August/September. Applications in writing stating age and experience together with copies of recent testimonials to the Chief Executive Officer, Heckmondwike & District Co-operative Society, Ltd., Endorse envelope "Chemist" in top left-hand corner. C 3867

**SUPERINTENDENT MANAGER**. Private limited company has vacancy on board of directors for experienced pharmacist (either sex) for full-time duty in busy dispensing business in S.W. London. Good salary paid. Small capital investment arranged, if desired. No living accommodation available. Apply with details of age, experience, etc., Box C 3870.

**VACANCY** occurs for an experienced junior male assistant. Busy dispensing and general retail routine. No Sunday duty; holidays honoured this year. James Tomlinson, M.P.S., 63 Oxford Road, Burnley. C 3795

**WALES**, mainly south. Competent stocktaker required with personality. Apply O.ridge & Co., 184 Strand, London, W.C.2. C 255

**WANTED, PHARMACIST**. Male or female, as superintendent. Wages £16 per week. Good hours and conditions. No Sunday work. Private house available rent free. Full particulars on application to the Garndiffaith & Varteg Co-operative Society, Ltd. C 3856

**WINDOW DRESSER** required for group of pharmacies, mainly in the South London area. Applicants must be able to produce references as to their integrity and have a flair for window dressing even though their experience may be limited. Superannuation scheme. Please give all details of age, salary required, etc., to Managing Director, Arnold M. Gee, Limited, 12 High Street, Colliers Wood, S.W.19. C 3891

**WOODFORD, PHARMACIST** of proved ability required to manage attractive and modern shop with good dispensing connection. There is an excellent opportunity for a substantial salary and bonus. Good supporting staff and modern equipped dispensary, etc. Permanency with superannuation benefits. Accommodation available if required. Apply with full details stating when available for interview to Box C 3892.

**LOCUMS WANTED**

**LOCUM TENENS PHARMACISTS** are required for tour of duties in the London and Suburban districts. Permanency at conclusion of tour if desired. Hours 9 a.m. to 6 p.m. Salary and expenses basis. Applications to Chief Pharmacist, London Co-operative Chemists Ltd., Grange Road, Leyton, E.10. C 3894

**WHOLESALE**

**AN EXCEPTIONAL OPPORTUNITY** arises in an old-established firm of manufacturing and wholesale chemists in South Midlands for a young qualified chemist. Wholesale experience and a good record as a representative would be an advantage. The post offers excellent prospects to the right type of man with ability, ambition and initiative. Candidates should possess a comprehensive knowledge of ethical specialities. Applications in own handwriting giving age, full personal details, education and experience, together with recent photograph if available, to Managing Director, Box C 3875.

**BEECHAM MACLEAN LIMITED** require a chemist for their new pharmaceutical laboratory. Industrial or post graduate experience preferable. Good conditions—five day week. Profit participation and pension schemes in operation. Apply in writing to Personnel Manager, Beecham House, Great West Road, Brentford, Middlesex. C 5472

**EXPERIENCED LABORATORY TECHNICIAN**, male or female, required for control laboratory in North London. Five day week, canteen. Position is permanent and offers wide variety. Apply Box C 5479.

**LEADING MANUFACTURERS** of bulk and packed hair preparations rapidly expanding their sales organisation seek first class representatives with live connections amongst hair-dressers and chemists in the Home Counties, Midlands, North of England, Scotland and Wales. Excellent opening for right men. Apply Box C 3885.

**MANUFACTURERS** of well known toilet preparations wish to appoint representatives to call on chemists and stores in the East Anglian, Midlands, Wales, Yorkshire, Northumberland and Scotland areas on commission basis and car allowance. Lines are well introduced all over the country and sales are supported by intensive advertising. Gentlemen with car and good connections please state lines carried. Box C 3887.

**MEDICAL REPRESENTATIVE**: An opportunity occurs for a keen and competent person to join a progressive ethical house. Pharmaceutical qualification and experience in medical detailing an advantage. Advertiser's staff know of this appointment. Applications, stating age, experience, etc., to Sales Manager, Box C 5421.

**MEDICAL REPRESENTATIVES** are required in the following areas:—(a) Lancashire and Cheshire; (b) Midland counties. Previous experience in the area concerned is an advantage. Salary, expenses and commission. Company's car provided. Pension scheme. Full details to Box C 3871.

**H. E. DANIEL, LTD.**, St. Bernard Works, London, S.E.19, suppliers of raw materials to the following trades, require a representative to call upon mineral water and confectionery manufacturers, perfumery and soap manufacturers, manufacturing chemists and wholesale druggists, in London and Home Counties. Experience desired. Salary, commission, superannuation and car provided. Apply in confidence, with full details to the Managing Director. C 261

**MEDICAL REPRESENTATIVES** required by London manufacturing chemists to call on doctors, dentists, hospitals and chemists. Experience of medical detailing an advantage but not essential if applicant has a good pharmaceutical background. Applications invited from pharmacists, 25 to 40 years of age, stating experience and salary required. Box C 264.

**MEDICAL REPRESENTATIVES** required age 25-35 for Glasgow; West Lanes, including Liverpool; and Middlesex, Berks, Bucks and Oxon. The work involves the promotion of clinical specialities to doctors and pharmacists. Successful candidates will receive a course of training but a good background of pharmaceutical or medical knowledge and previous experience would be desirable. Residence on territory and driving licence, essential. Remuneration by salary and full expenses—no commission; contributory pension scheme. Apply giving full details in own handwriting to: Medical Representation, Menley & James, Limited, Coldharbour Lane, London, S.E.5. C 5465

**MERCK-SHARP & DOHME, LIMITED** VACANCIES EXIST for MEDICAL REPRESENTATIVES in the following two important areas:

- (1) Glasgow and S.W. Scotland.
- (2) South Lancashire.

Applications are invited from pharmaceutical chemists with or without previous experience in this type of work and from men without a pharmaceutical qualification but possessing a good background in pharmacy.

Applicants should be between the ages 23-35 and only men with a desire to make a successful career in Medical Representative work should apply. Good remuneration for the right type of men and company pension scheme is in force. Car provided.

Applications to: Sales Manager, Merck-Sharp & Dohme, Ltd., Hoddesdon, Herts. C 5438

**PROCESS WORKER** required for the manufacturing department of a London drug house. Five-day week, pension scheme, and canteen facilities. Write stating age, experience and salary required to Box C 5419.

**TABLET MAKER** required by manufacturing chemist. Park Royal area. Apply with details of experience to Works Manager, C. L. Bencard Ltd., Minerva Road, Park Royal, N.W.10. C 5477

**THE BRITISH DRUG HOUSES, LIMITED** UNQUALIFIED (male) assistant (age 22-28) required to combine the duties of Laboratory Steward and Technical Assistant. Preference will be given to applicants with previous experience in retail pharmacy or industry. Experience in medical store work during National Service would be an advantage. Please send details of education, experience and present wages to:—

Senior Personnel Officer,  
Graham Street,  
London, N.1. C 545

**WINTHROP LABORATORIES LIMITED** invite applications from young Pharmacists for Management training in the new factory at Fawdon. Salary commensurate with ability; good pension scheme, five-day week, excellent prospects for right candidates. Applications with full details of age, education and salary required, to Labour Manager, c/o Andrew House, Newcastle-upon-Tyne 1. C 387

**WELL KNOWN FIRM**

manufacturing nationally advertised hair preparations seeks first class representatives for the Home Counties, Midlands, North of England, Scotland and Wales. Excellent prospects for right men with live connections amongst the trade. Apply in first instance with fullest details to Box C 5468.

**WORKS MANAGER** chemist required Matthews & Wilson Ltd., Tablet Manufacture Cole Street, London, S.E.1. Must be experienced in formulation and control and planning of tablet production. Apply giving age, experience, and stating salary required to the Works Director. C 54



**CRAWLEY · SUSSEX**

A few NEW TOWN CENTRE

**SHOPS**

SUITABLE FOR CHEMISTS

still available

RENTS from £450 (rising). Frontage 18/20 ft.; depth 40/60 ft. and two floors over. EARLY POSSESSION

Particulars from

HILLIER, PARKER, MAY & ROWDEN  
77 GROSVENOR STREET, W.1. (MAYFAIR 7666)

Local enquiries and plans from

CRAWLEY DEVELOPMENT CORPORATION  
ESTATES DEPARTMENT, 103 HIGH ST., CRAWLEY, SUSSEX  
(CRAWLEY 1844) C3884**C. L. BENCARD LTD.**

invite application for representatives from experienced men for Edinburgh and Southern Scotland, which has been regularly worked.

A car and full expenses are provided and there are bonus and pension schemes in operation.

Apply, in confidence, giving full details of experience, to the Sales Manager, C. L. Bencard, Ltd., Park Royal, London, N.W.10.

C 5406

**THE CROOKES LABORATORIES  
LIMITED****Representative**

required, to cover doctors, hospitals and chemists, for the Manchester and East Lancashire area. Candidates should possess personality and initiative and must agree to reside on the territory. A pharmaceutical qualification or adequate technical background is essential. The appointment is well remunerated with progressive salary, adequate expense allowance and annual commission directly associated with territorial results. The position is superannuated, and only candidates with keen desire to progress should apply in writing, with full details regarding age and past experience, to the Sales Director, The Crookes Laboratories Limited, Gorst Road, Park Royal, London, N.W.10.

C 5466

**CANADA CALLING**

Opportunity knocks but once and here it is

W. K. Buckley Limited, Canada's leading manufacturer of cough and cold remedies, are interested in operating in the United Kingdom. Buckley's manufacture four major products eminently suited to the United Kingdom market, particularly Buckley's Mixture, Canada's fastest selling cough remedy for over 20 years, and still the leader. Buckley's Mixture is particularly suited to the bronchial conditions due to the English climate, and it is made sugar free and safe for diabetics. Sales potential for this product is indicated by success in Australia, where over one million bottles were sold in the third year of its introduction, and this success spread to New Zealand, where it is the largest selling cough remedy.

Reference: Bookers Investment Holdings Limited, 37-41, Gracechurch Street, London, E.C.3, whose subsidiary, Bookers Manufacturing Drug Co. Limited, have the rights for manufacturing Buckley Products in the British West Indies, where Buckley's Mixture is a leader.

W. K. Buckley Limited of Toronto, Canada, is prepared to offer rights to manufacturers and distributors for the British Isles on a royalty basis.

C 5470

**MEDICAL REPRESENTATIVE**

A leading pharmaceutical company is seeking applicants for a position as Medical Representative in South London. Candidates should have a pharmaceutical or scientific background. A position of greater responsibility is vacant at present time and candidates should be sufficiently ambitious to qualify for promotion. Substantial salary and full expenses. Car provided. Contributory pension scheme. Applications, which will be treated in the strictest confidence, should be addressed to: The Sales Manager, Upjohn of England, Ltd., 4 Aldford Street, Park Lane, W.1.

C 5427

**RETAIL VACANCIES — OVERSEAS**

A VACANCY EXISTS for a pharmacist (single man) for service in E. Africa with a company with retail branches in Nairobi, Dar-es-Salaam, Mombasa, Tanga, Arusha, Eldoret, Kampala, Kitale and Nakuru. Starting salary £1,100 p.a. (including cost-of-living allowance) with three annual increments to £1,190 p.a. and four further annual increments to £1,390 p.a. Tours are for four years with annual local leave followed by home leave on full basic pay plus half c.o.l. Contract renewable by mutual agreement. Kit allowance and free passage both ways. Non-contributory pension plan. Applicants must hold M.P.S. qualification of Great Britain or Northern Ireland. Apply, in writing, giving qualifications and experience to Box C 5445.

**WRIGHT LAYMAN & UMNEY  
LIMITED**

invite applications for position of chemist in charge of analytical control laboratory. Applicants should not be over 40 years of age and previous experience of similar responsibilities would be an advantage. Commencing salary will be at the rate of £1,000 per annum and annual increments of £50, up to £1,500 per annum, are anticipated for an applicant with capabilities and who is desirous of establishing himself in what is intended to be a permanent position. A contributory pension scheme is in operation and work is five days a week.

Send full details of qualifications and experience to the Managing Director, 46 Southwark Street, London, S.E.1.

C 5482

**FULL TIME ASSISTANT**

**COSTING LESS  
THAN ONE SHILLING  
AND THREEPENCE  
A WEEK !**

ONLY A FEW COPIES REMAIN  
OF THE NEW 1956 RETAIL  
CHEMIST TRADE PRICE LIST OF  
PROPRIETARY ARTICLES

Price 60s, which includes Cumulative Supplements containing price changes, additions, alterations, etc., issued every 6 weeks.

This unique service covers over 25,000 proprietary preparations and specialities sold by the retail chemist.

Order your copy now from:—

**THE RETAIL CHEMIST**

18/20 York Buildings, Adelphi,  
London, W.C.2

C 5469



**HOLBORN SUPPLIES, LTD.,**

55 LEATHER LANE, E.C.1

Phone: HOLborn 6689.

Chilton Home Hair Clipper; Evanol, Simplex, Inecto, Color Glo, Shadeine, Monil, L'oreal bleach, etc.; Flashmaster cameras; Remington, Sunbeam, Philishave Electric Shavers; Pifco Sunlamps, Infra-red, Massagers, Perihel Actinea Sunlamp. C 9719

**IMPORTANT**

Box Office numbers are intended exclusively for specific answers to particular advertisements. Price Lists, Trade Circulars, Samples and Printed Matter cannot be forwarded.

**Situations Vacant—Continued**

**WANTED.** Medical Representatives and others able to read prescriptions, working locally, two or three days each month, well paid, Write giving qualifications and experience to Box C 5441.

**WHOLESALE (OVERSEAS)**

**NEW ZEALAND.** A leading pharmaceutical house invites applications from New Zealand pharmacists, temporarily resident in this country, to fill interesting and progressive positions with their Associated Company in Wellington. Vacancies exist at present in the field of representation, administration, and technical information. Training will be provided in the U.K. Write with full details of past experience to Box C 5467.

**AGENTS WANTED**

17/6 for 36 words (min.) then 4d. per word  
Box 2/-

**AGENTS REQUIRED** with established connections retail chemists and hairdressers all areas to carry first quality real horn combs and vulcanite combs. W. Martin & Co., 7 Mallow Street, London, E.C.1. C 3876  
**REPRESENTATIVE** with experience and connection with Hospitals required to sell approved hypodermic syringes and needles and laboratory glassware, etc. Salary, commission, car (car expenses). Write in confidence stating previous experience, Box C 3889.

**SITUATIONS WANTED**

3/- for 18 words (min.) then 2d. per word.  
Box 1/-

**WHOLESALE**

**AVAILABLE** for London and Home Counties, senior representative or area manager, 20 years' connection wholesale, retail chemists, stores, Co-ops, multiples, 1955 turnover £65,000 in competitive field. Sound reasons for change. Box C 3834.

**COSMETIC CHEMIST**, B.Sc., 20 years' experience of manufacture and production seeks change for personal reasons. Enquiries to Box C 3873.

**DISPENSER**, male (24) at present employed in N. Ireland seeks change. Would consider representative position, 8 years experience in pharmacy. Prepared to travel abroad, Box C 3883.

**EXECUTIVE** 25 years experience import/export crude drugs, spices, essential oils, etc, with comprehensive knowledge world markets offers services as buyer to manufacturing chemists. Box C 3881.

**KEEN** and energetic representative, age 28 years seeks change. Retail chemist connections in London area. Current driving licence held. Box C 3896.

**REPRESENTATIVE** having outstanding connection chemists, co-operatives, stores, etc. West Country and Channel Islands seeks engagement with company seeking one with sound experience and conscientious worker in preference to being eligible to superannuation. Excellent references. Salary, commission, expenses. Box C 3882.

**REPRESENTATIVE** post required, Gloucestershire area, with firm of repute by keen energetic young man of 27. Unqualified but with 1½ years' trade experience (one firm). Box C 3863.

**AGENCIES WANTED**

17/6 for 36 words (min.) then 4d. per word.  
Box 2/-

**AGENT REPRESENTATIVE** with excellent connection chemists and stores, Lancashire and Cheshire, requires additional first-class agencies, proprietaries or imported sundries, Box C 3864.

**BUSINESS OPPORTUNITIES**

17/6 for 36 words (min.) then 4d. per word.  
Box 2/-

**A NEW MEDICINAL** food product of remarkable healing power, selling extensively overseas, is now offered sound British firm for national exploitation, Box C 3895.  
**MANUFACTURING CHEMISTS** invite inquiries for the manufacture, packing, etc., of private formulae preparations, liquids, powders, tablets. Dispatch facilities available with own printing department. Frank Macowal & Yanatas, Ltd., Wilshaw Street, London, S.E.14. Tel.: Tideway 3846-8. C 122

**WANTED**

17/6 for 36 words (min.) then 4d. per word.  
Box 2/-

**ALL KINDS OF BOTTLES, JARS, SCREW CAPS**, cartons, packaging materials and manufacturers' stocks of all kinds bought at fair price for spot cash. We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks, Discontinued lines, Surplus and Redundant Stocks. Should you have anything for disposal, please send us samples and particulars. Reliance Trading Co., 13 New College Parade, Finchley Road, N.W.3. C 153  
**MEDICAL BOTTLES**, tablet bottles, closures and all types of packaging materials purchased, no quantity too large. Samples and full details to Noel Davold & Co., 9 Laurence Pountney Lane, Cannon Street, E.C.4. Manslon House 3951-2. C 178

**WANTED.** Polythene Containers required in quantity, also 8 oz. glass jars with screw caps and other similar supplies. F.E.C., 41 Upper Fitzwilliam Street, Dublin. C 3890

**WE WILL PURCHASE** for cash a complete stock, a redundant line, including finished or partly finished goods packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone: Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C 140

**MISCELLANEOUS SALES**

17/6 for 36 words (min.) then 4d. per word.  
Box 2/-

**1½ TONS GLYCERIN BP.** Packed in 60-lb. drums. Reply Box C 5463.

**CARTONS**, Large quantities from groceries. All sizes from 24/- per gross. Regular supplies. Also Boxes 12 x 12 x 12, 12/- per doz., all clean and fresh emptied. Charles Mead Ltd., 33A Buckhurst St., E.1. Phone: Bis, 7732. C 3880

**COSMETICS:** Well-established manufacturers can undertake production to customers' specification of the following: Powder, lipstick, rouge, compressed powder, creams, mascara, bath cubes. Large and small contracts. Columbia Products, Goss Hill, Devonshire Works, Dukes Avenue, London, W.4. Telephone: Chi, 4853. C 3829

**Traditional Solazzi Liquorice**

A modern  
medicament in digestive  
disorders and gastric ulcers

MADE FROM PURE CALABRIAN LIQUORICE ROOT  
Savapiam Via Fusco 5 NAPLES (Italy)

**THE SMALLEST ROOM** needs Jumbo crepe toilet rolls, 33/- gross. Carnos fine balance sulphate toilet roll, 66/- gross. Free delivered. Sea journey extra. Send 1/- for sample rolls. Stock lists free on request. L. Frankenberg, Ltd., Manufacturers' Wholesale Distributors, 37 Houndsditch, London, E.C.3. C 269

**TENDERS****NOTTINGHAMSHIRE COUNTY COUNCIL**

Tenders are invited for the supply of the following supplies and articles to various Child Welfare Centres, Day Nurseries, School Clinics, Ambulance Stations and other premises within the county for a period of twelve months commencing November 1, 1956:—

**MEDICAL AND SUNDRY SUPPLIES, SURGICAL APPLIANCES AND INSTRUMENTS.**

**RUBBER ARTICLES, SURGICAL DRESSINGS AND PLASTERS, AND MATERNITY OUTFITS AND PADS.**

Further particulars, and forms of tender and conditions of contract, may be obtained from the County Medical Officer, County Hall, Trent Bridge, Nottingham. Completed tenders, in the envelopes to be supplied, should be received by me not later than 10 a.m. on Saturday, September 1, 1956.

A. R. DAVIS,

Clerk of the County Council.

Shire Hall,  
Nottingham.

C 5474

**DEVELOPING AND PRINTING**

18/- per half inch (min.) and pro rata.  
Box 2/-

**MEDIUM SIZED D. & P. WORKS**

established 16 years, with enthusiastic management and staff and with the very latest equipment, would welcome your D. & P. enquiries. Postal service is per return but quality is not sacrificed. P.D.A. prices and discounts. We are members of P.D.A., W.P.F.A. and I.B.P. Mr. L. H. Morgan, Gwent Photographic Service, Snatchwood Works, Pontypool, Mon. Tel.: Talywain 355. C 274

**STOCKTAKING**

17/6 for 36 words (min.) then 4d. per word.  
Box 2/-

**QUIET AND ACCURATE** workmanship. Over 30 years' practical experience. Detailed inventories supplied to suit your individual requirements. Your own stock sheets priced. Terms moderate. C. W. Playfoot, 8 Aylward Road, London, S.W.20. Phone: Liberty 4104. C 190

**MISCELLANEOUS**

17/6 for 36 words (min.) then 4d. per word.  
Box 2/-

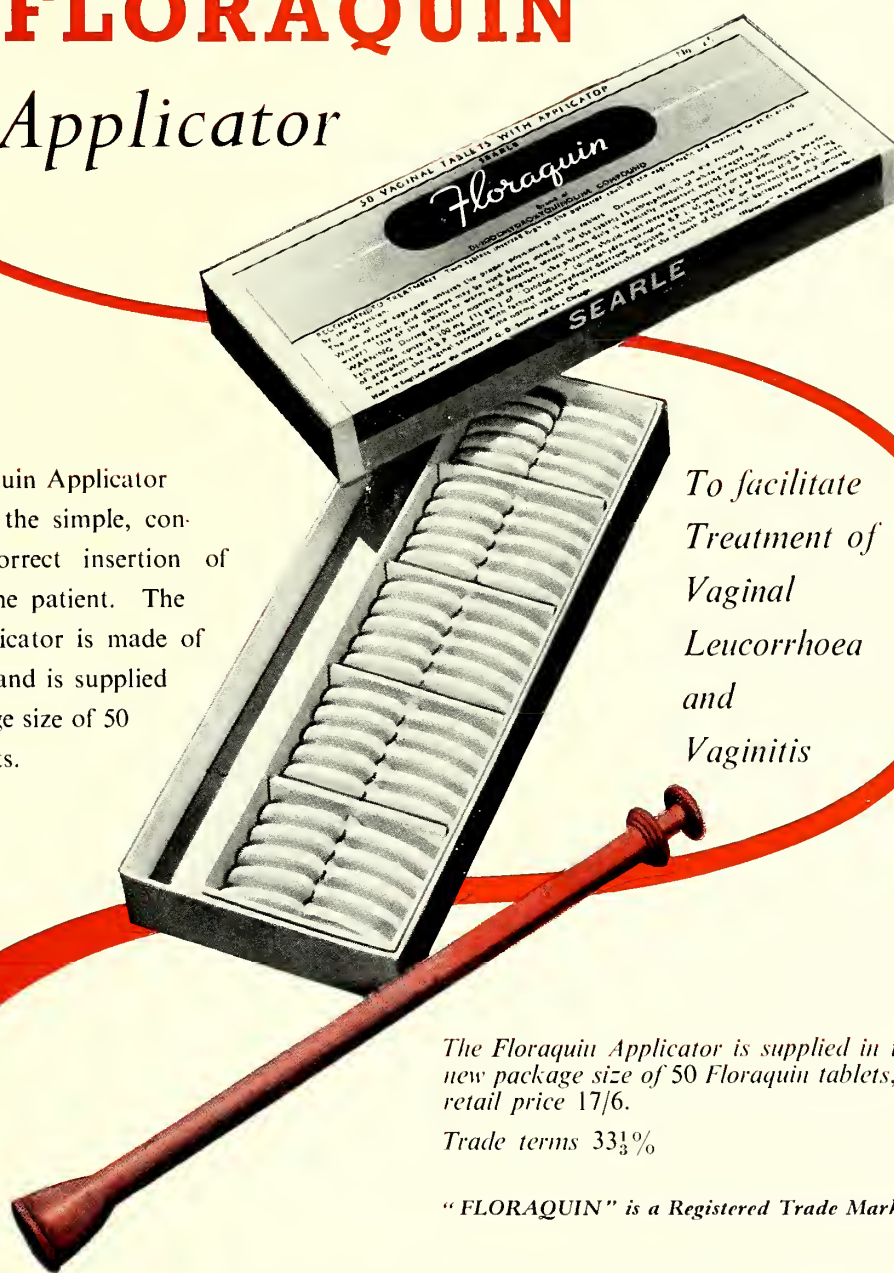
**THE DISPENSERS GUILD OF GREAT BRITAIN**, 41 Connaught Square, London, W.1 (formerly The Guild of Dispensers), which aim at statutory recognition, invites new enquire and reminds its members that annual subscriptions (10s. 6d.) are now due. Secretary D. G. E. Bristowe, Rookery Road, Staines Middlesex. C 381



New—  
**FLORAQUIN**  
 Applicator

The new Floraquin Applicator is designed for the simple, convenient and correct insertion of Floraquin by the patient. The Floraquin Applicator is made of smooth plastic and is supplied in a new package size of 50 Floraquin tablets.

To facilitate  
 Treatment of  
 Vaginal  
 Leucorrhoea  
 and  
 Vaginitis



The Floraquin Applicator is supplied in the new package size of 50 Floraquin tablets, retail price 17/6.

Trade terms 33 $\frac{1}{3}$ %

"FLORAQUIN" is a Registered Trade Mark

Order through your Wholesaler

**SEARLE**

G. D. SEARLE & CO. LTD.  
 83, CRAWFORD STREET, LONDON, W.1

FL: 176



THE ETHICAL MEDICAL PREPARATION FOR  
THE TREATMENT OF ASTHMA



*Prescribed and recommended by the Medical Profession  
in Hospitals, Private Practice and Government  
Departments in all parts of the world to which it  
has been introduced.*



Tax free Dispensing Pack available.

**PATA**

**BRITISH FELSOL COMPANY LTD**

WIGTON HOUSE, 206-212 ST JOHN STREET, CLERKENWELL, LONDON, E.C.1.

Telephone. CLErkenwell 5862 Cables. 'Felsol', Smith, London.